

Run on: OM protein - protein search, using sw model August 3, 2005, 18:30:15; Search time 38 Seconds (without alignments) 27.852 Million cell updates/sec Copyright GenCore version 5.1.6 (c) 1993 - 2005 Compugen Ltd.

Sequence: Title: Perfect score: US-10-088-681-1 60 TGSFFSELWTS 11

Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5

283416 seqs, 96216763 residues

Searched:

Total number of hits satisfying chosen parameters:

1328

Minimum DB Maximum DB seq length: 0
seq length: 11

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 100 summaries Database

PIR_79:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match 1	Length DB	ij	: <u>S</u>
-	30	50.0	10 2	C39191	hypothetical prote
2	24	40.0		PH1602	•
ω	23	38.3	10 2	T13838	cytochrome-c oxida
4	20		-	B34835	
ن ن	20		11 2	S05002	Ã
σ,	19	31.7		PT0519	T-cell receptor be
7	19	31.7	6 2	A43129	neuropeptide GNFFR
8	19	\mathbf{L}	8 2	A41117	acetylcholinestera
9	19	31.7		S36850	Ig heavy chain V r
10	18	30.0		S07241	litorin - Rohde's
11	18	30.0	10 2	C41946	T-cell receptor ga
12	18	30.0		S53789	neuropeptide Pec-H
13	18	30.0		LFTWWE	probable trpEG lea
14	18	30.0	11 2	S33300	probable substance
15	17.5	29.2	8 2	JS0315	leucokinin V - Mad
16	17	28.3	7 2	PT0586	T-cell receptor be
17	17	28.3	8 2	A44960	neuropeptide Led-C
18	17	28.3	88 22	S08995	hypertrehalosemic
19	17	28.3	80 N	A49823	adipokinetic hormo
20	17	28.3	8 2	A43976	hypertrehalosemic
21	17	28.3	8 2	B43976	hypertrehalosemic
22	17	28.3	89 22	A05169	neuropeptide M-I
23	17	28.3	10 2	A31571	hypertrehalosemic
24	16	26.7	4	PT0661	T-cell receptor be
25	16	σ	7 4	I55382	hypothetical pept:
26	16	σ	8 2	A32523	peptidyl-dipeptida
27	16	26.7	8 2	S11545	ādipokinetic hormo
28	16	26.7	8 2	A61348	red pigment-concen
י	16	26.7	8 2	A28004	adipokinetic hormo

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777666011101000000000000000000000000000	100110098

MHC class I histoc T-cell receptor ga T-cell receptor ga Variant surface gl sperm-activating p chromogranin-B - r 58K heat shock pro variant surface gl Ig heavy chain CRD Ig heavy chain CRD dihydrofolate redu dihydrofolate redu cytochrome-c oxida cytochrome-coxida cytochrome-coxida cytochrome-coxida cytochrome-coxida cytochrome-coxida T-cell receptor be cerebellar degener T-cell receptor ga hypothetical prote T-cell receptor be fibrinogen beta ch Ig heavy chain CRD Ig heavy chain CRD Ig heavy chain CRD glucan 1,3-beta-gl translation ellonga hypertrehalosemic hypertrehalosemic neurokinin A - chi gonadotropin-relea Ig heavy chain CRD T-cell receptor al hypertrehalosemic adipokinetic hormo T-cell receptor ga penalbumin - Adeli tubulin beta-3 cha sialokinin II - ye sialokinin I - yel homeotic protein U apolipoprotein A-I Ig heavy chain CDR cytochrome-c oxida cytochrome-c oxida cytochrome-c oxida glycine reductase adipokinetic hormo N-acetylglucosamin pullulanase (EC 3. neuropeptide Led-C hypertrehalosemic Ig heavy chain CRD hypertrehalosemic hypertrehalosemic hypertrehalosemic Ig heavy chain CRD cell surface adhes

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Ig H chain V-D-J region (wild-type clone 313) - mouse (fragment)
C;Species: Mus musculus (house mouse)
C;Date: 02-Jun-1994 #sequence_revision 02-Jun-1994 #text_change 17-Mar-1999
C;Accession: PH1602
R;Levinson, D.A.; Campos-Torres, J.; Leder, P.
J. Exp. Med. 178, 317-329, 1993
A;Fitle: Molecular characterization of transgene-induced immunodeficiency in A;Reference number: PH1580; MUID:93301609; PMID:8315387
A;Recession: PH1602
A;Molecular type: DNA
A;Residues: 1-7 (LEV)
A;Residues: 1-7 (LEV)
                                                                                                                                                                                                                 cytochrome-c oxidase (EC 1.9.3.1) chain I - Bipes biporus mitochondrion (fragment) C;Species: mitochondrion Bipes biporus (;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004 C;Accession: T13838 C;Accession: T13838 R;Macey, J.R.; Larson, A.; Ananjeva, N.B.; Fang, Z.; Papenfuss, T.J. Mol. Biol. Evol. 14, 91-104, 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    hypothetical protein 1 (Tetx 5' region) - Bacteroides fragilis C;Species: Bacteroides fragilis C;Species: Bacteroides fragilis C;Date: 08-Nov-1991 #sequence_revision 08-Nov-1991 #text_change C;Accession: C39191
R;Speer, B.S.; Bedzyk, L.; Salyers, A.A.
J. Bacteriol. 173, 176-183, 1991
A;Title: Evidence that a novel tetracycline resistance gene foun A;Reference number: A39191; MUID:91100280; PMID:1846135
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A;Note: CO1
C;Keywords:
                                                          A; Cross-references: C; Genetics:
                                                                                             A;Accession: T13838
A;Status: preliminary; translated
A;Molecule type: DNA
A;Residues: 1-10 <MAC>
                                                                                                                                                                          Mol. Biol. Evol. 14, 91-104, 1997
A; Title: Two novel gene orders and the role of light-strand
A; Reference number: Z17789; MUID:97153826; PMID:9000757
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A; Residues: 1-10 <SP
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A;Status: prelimina:
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                                       A; Genome:
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Matches 4
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mitochondrion;
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Pred. No. 2.8e
0; Mismatches
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                                                                            EMBL:U71335; NID:g1753232; PID:g1753235;
                                                                                                                                        GB/EMBL/DDBJ
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RESULT 6
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FEBS Lett. 250, 231-234
A; Title: Isolation and
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Proc. Natl. Acad. Sci. U.S.A. 87, 1278-1282, 1990
A;Title: Pseudomonas chromosomal replication origins: a A;Reference number: A34835; MUID:90160310; PMID:2106132
A;Accession: B34835
                                                      R;Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
Sequences o
A; Title: Junctional A; Reference number: A; Accession: PT0519
                                                                                                                                                                T-cell receptor beta chain V-D-J region (100-4C) - mouse (fragment) C;Species: Mus musculus (house mouse) C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 30-C;Date: 17-Jul-1992 #text_change 30-C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPROT:P11496
C;Keywords: amidated carboxyl end; neuropeptide; pyroglutamic acid
F;11/Modified site: pyrrolldone carboxylic acid (Gln) #status exper:
F;11/Modified site: amidated carboxyl end (Asn) #status experiment:
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C;Date: 07-Sep-1990 #sequence_revision 09-Apr-1998 #t
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A; Residues: 1-6 < YEE>
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C;Species: Pseudomonas aeruginosa
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2.8e+05;
hes 0;
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A;Status: translation not sl
A;Molecule type: mRNA
A;Residues: 1-6 cFEE>
A;Experimental source: adult
C;Keywords: T-cell receptor
Ig heavy chain V region - mouse
C;Species: Mus musculus (house mouse)
C;Date: 06-Jan-1994 #sequence_revision
C;Accession: $36850
                                                                                                                                                                                                                                                                                                                                                                                                                       R;Kreienkamp, H.J.; Weise, C.; Raba, R.; Aaviksaar, A.; Hucho, F.
Proc. Natl. Acad. Sci. U.S.A. 88, 6117-6121, 1991
A;Title: Anionic subsites of the catalytic center of acetylcholinesterase from Torpedo A;Reference number: A41117; MUID:91296772; PMID:2068091
A;Accession: A41117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            acetylcholinesterase (EC 3.1.1.7), venom - Asian cobra (fragment)
C;Species: Naja naja oxiana (Asian cobra, Oxus cobra)
C;Date: 27-Mar-1992 #sequence_revision 27-Mar-1992 #text_change 09-Jul-2004
C;Accession: A41117
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C;Keywords: amidated carboxyl end; ne
F;6/Modified site: amidated carboxyl
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C;Date: 10-Nov-1997 #sequence_revision 14-Nov-1997 #text_change 09-Jul-2004
C;Accession: A43129
C;Accession: A43129
R;Maule, A; Shaw, C:; Halton, D.; Thim, L.
Biochem. Biophys. Res. Commun. 193, 1054-1060, 1993
A;Title: GNFFRFamide: A novel FMRFamide-immunoreactive peptide isolated from the sheep
A;Reference number: A43129; MUID:93312289; PMID:8323531
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Best Local
                                                                                                                                                                                                                                                                                                                          Cross-references: UNIPROT:Q7LZ27
Keywords: carboxylic ester hydro
                                                                                                                                                                                                                                                                                                                                                                                                          Status: preliminary
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Best Local
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nes 3; Conserv
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3; Conserv
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2; Conserv
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75.0%;
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Pred. No. 2.8e+05;
Minmatches 0;
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Pred. No.
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Pred. No. 2.8e+05;
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yl end (Phe)
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                01-Dec-1995 #text_change 05-Nov-1999
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J. 2.8e+05;
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T-cell receptor gamma chain (1t.60) - mouse (fragment)
C;Species: Mus musculus (house mouse)
C;Date: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 07-May-1999
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C41946
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A;Title: Rearrangement and junctional-site sequence analyses of T-ce A;Reference number: A41946; MUID:92049316; PMID:1658619
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;Barra, D.; Falconieri Erspamer, G.; Simmaco, M.; Bossa, F.; Melchiorri, P.; FEBS Lett. 182, 53-56, 1985
A;Title: Rohdei-litorin: a new peptide from the skin of Phyllomedusa rohdei.
A;Reference number: S07241; MUID:85127560; PMID:3838283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           litorin - Rohde's leaf frog
C;Species: Phyllomedusa rohdei (Rohde's leaf frog)
C;Date: 12-Feb-1993 #sequence_revision 12-Mar-1993
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S07241
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A;Molecule type: nucleic acid
A;Residues: 1-9 <JAC>
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                                                                                                                                                        C; Keywords: T-cell receptor
                                                                                                                                                                                           A; Molecule type: DNA
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A; Residues: 1-9 < BAR>
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Best Local
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                                                                          Similarity 2; Conserv
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3; Conserv
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YCAVWSS 7
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                                     FSELWTS 11
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75.0%;
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                                                                          Score 18; DB 2;
Pred. No. 2.9e+03;
3; Mismatches 2
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Pred. No. 2.8e+05;
2; Mismatches 1
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he primary
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                                                                                                               Length 10;
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probable trpEG leader peptide - Thermus aquaticus
(;Species: Thermus aquaticus
C;Date: 30-Jun-1991 #sequence_revision 30-Jun-1991 #text_change 16-Jul-1999
C;Accession: S03315
R;Sato, S.; Nakada, Y.; Kanaya, S.; Tanaka, T.
Biochim. Biophys. Acta 950, 303-312, 1988
A;Title: Molecular cloning and nucleotide sequence of Thermus thermophilus HB8 trpE and A;Reference number: S03315; MUID:89000781; PMID:2844259
A;Accession: S03315
A;Molecule type: DNA
A;Residues: 1-11 <SAT>
A;Cross-references: EMBL:X07744; NID:g48261; PIDN:CAA30565.1; PID:g48262
A;Mote: the source is designated as Thermus thermophilus HB8
C;Genetics:
A;Gene: trpL
C;Superfamily: probable trpEG leader peptide
A;Molecule type: protein
A;Residues: 1-11 <WAU's
A;Cross-references: UNIPROT:P41333
A;Cross-references: UNIPROT:P41333
A;Cross-references: Uniprot:P41333
A;Experimental source: brain
C;Function: may play a physiological role in the regulation of cardiovascular:
A;Description: may play a physiological role in the regulation of cardiovascular:
A;Description: may play a physiological role in the regulation of cardiovascular:
A;Description: may play a physiological role in the regulation of cardiovascular:
C;Function: may play a physiological role in the regulation of cardiovascular:
C;Reywords: substance P is derived by post-translational processing of preprotachykin c;Reywords: amidated carboxyl end; neuropeptide; tachykinin
C;Function: may play a physiological role in the regulation of cardiovascular:
C;Reywords: amidated carboxyl end; neuropeptide; tachykinin
C;Reywords: amidated carboxyl end; neuropeptide; tachykinin
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C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 09-Jul-2004
C;Accession: S53789
R;Gaede, G: Janssens, M.P.E.
Biol. Chem. Hoppe-Seyler 375, 803-809, 1994
A;Title: Cicadas contain novel members of the AKH/RPCH family peptides with hypertrehald A;Reference number: S53789; MUID:95225985; PMID:7710694
A;Accession: S53789
A;Molecule type: protein
A;Residues: 1-10 <GAE>
                                                                                                                                                                                                                                                                                                                                                              probable substance P - smaller spotted catshark C;Species: Scyliorhinus canicula (smaller spotted catshark, smaller spotted dogfish) C;Date: 19-Mar-1997 #sequence_revision 19-Mar-1997 #text_change 09-Jul-2004 C;Accession: S33300 C;Accession: S33300 R;Waugh, D.; Wang, Y.; Hazon, N.; Balment, R.J.; Conlon, J.M. Eur. J. Biochem. 214, 469-474, 1993
                                                                                                                                                                                                                                                                        Eur. J. Biochem. 214, 469-474, 1993
A;Title: Primary structures and biological activities of substance-P-related peptides
A;Reference number: 833300; MUID:93292508; PMID:7685693
A;Accession: 833300
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                                                                                                                                                                                                                                                                                      R;Holman, G.M.; Cook, B.J.; Nachman, R.J. Comp. Biochem. Physiol. C 88, 27-30, 1987 A;Tille: Isolation, primary structure, and A;Reference number: JS0315
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C;Species: Leucophaea maderae (Madeira
C;Date: 07-Sep-1990 #sequence_revision
C;Accession: JS0315
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Job time : 40 secs
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MEDLINE=98315113; PubMed=9649539;
Malaga-Trillo E., Zaleska-Rutczynska Z.
Figueroa F., Sultmann H., Klein J.;
"Linkage relationships and haplotype poclass II B loci.";
Genetics 149:1527-1537(1998).
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01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
MHC class II B locus 12 (Fragment).
Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Acaninopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
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MHC class II B locus 12 (Fragment).
Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
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MEDLINE=98315113; PubMed=9649539;
Malaga-Trillo E., Zaleska-Rutczynska
Malaga-Trillo E., Sultmann H., Klein J.;
Figueroa F., Sultmann H., Klein J.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=8128;
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Pred. No. 2e+03;
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Pred. No. 2e+03;
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SEQUENCE 1
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01-JUN-2003
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01-MAY-1997
01-MAY-1997
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                                                                                                                                                                                                         DOI=10.1002/1615-9861(200206)2:6<765::AID-PROT765>3.0.CO;2-V;
Drews O., Weiss W., Reil G., Parlar H., Wait R., Goerg A.;
"High pressure effects step-wise altered protein expression i
Lactobacillus sanfranciscensis.";
                                                                                                                                                                                                                                                                                                                                                                                                                                            Unknown protein from 2D-page (Fragment).
Lactobacillus sanfranciscensis (Lactobac
Bacteria; Firmicutes; Lactobacillales; L
                                                                                                                                         Proteomics 2:765-774 (2002).
-!- INDUCTION: By elevated
-!- MISCELLANEOUS: On the 2
                                                                                                                                                                                                                                                                                                       STRAIN=DSM 20451;
PubMed=12112860;
                                                                                                                                                                                                                                                                                                                                                                                                                        Bacteria; Firmicutes; Lactobacillus.
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Macey J.R., Larson A., Ananjeva N.B., Papenfuss T.J.;
"Replication slippage may cause parallel evolution in
structures of mitochondrial transfer RNAs.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A.

MEDLINE=97153826; PubMed=9000757;

MACCY J.R., Larson A., Ananjeva N.B., Fang Z., Papenfuss

"Two novel gene orders and the role of light-strand repli
                                                                                                                                                                                                                                                                                                                                                     SEQUENCE, AND INDUCTION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P83537
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Lepidosauria; Squamata; Scleroglossa; Amphisbaenia; Bipedidae; Bipes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rearrangement of the vertebrate mitochondrial genome.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=52188;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bipes biporus (Baja worm lizard).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Name=CO1;
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L; U71335; AAB48271.1; -.
; T13838; T13838.
GG:0005739; C:mitochondrion;
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                                                                                                                   is: 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (TrEMBLrel. 24, Created)
(TrEMBLrel. 24, Last sequence update)
(TrEMBLrel. 24, Last annotation update)
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(TIEMBLrel. 03, Last sequence update)
(TIEMBLO 25, Last annotation update)
c oxidase subunit I (Fragment).
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                                                AA;
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1176 MW;
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83.3%;
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2D-gel the determined
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Pred. No. 2.7e+03;
    Score
                                                D96C8231B771ADD9
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  DB 2;
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Length 11;
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Matches 3
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EMBL;
                                                                                                          SEQUENCE FROM N.A.

MEDLINE=96421599; PubMed=8824247; DOI=10.1074/jbc.271.42.26062;

Thomas C.P., Doggett N.A., Fisher R., Stokes J.B.;

"Genomic organization and the 5' flanking region of the gamma subunit of the human amiloride-sensitive epithelial sodium channel.";

J. Biol. Chem. 271:26062-26066(1996).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            095953;
01-MAY-1999 (TrEMBLrel. 10, Created)
01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation updat
Galactocerebrosidase (EC 3.2.1.46) (Fragment).
                                                                                                                                                                                                                                                                        05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Amiloride-sensitive epithelial sodium channel gamma
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lulli L., Torchiana E., Finocchiaro G.; Submitted (NOV-1996) to the EMBL/GenBank/DDBJ EMBL; U77631; AAD15626.1; -
                         Ludwig M., Bolkenius U., Wickert L., "Structural organization of the gene human amiloride-sensitive epithelial Hum. Genet. 102:576-581(1998).
                                                                          SEQUENCE FROM N.A.
MEDLINE=98316780; PubMed=9654208;
                                                                                                                                                                                                  NCBI_TaxID=9606;
                                                                                                                                                                                                               Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                           Q6LA62;
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Mammalia; Eutheria; Primates;
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GO:0016798; F:hydrolase activity, acting on glycosyl bonds; IEA.
GO:0005975; P:carbohydrate metabolism; IEA.
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3; Conserv
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                                                                                                                                                                                                               Chordata;
Primates;
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   channel activity; IEA
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Pred. No. 1
                                                                                                                                                                                                             Craniata; Vertebrata; l
Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
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                                      Marynen P., Bidlingmaier F. encoding the alpha-subunit sodium channel.";
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Best Local :
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                                                                                                      P11496;
01-OCT-1989
01-FEB-1994
05-JUL-2004
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NON_TER 1
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MEDLINE=20057701; PubMed=10589099;

Wabnitz P.A., Bowle J.H., Tyler M.J.;

"Caerulein-like peptides from the skin glands of mountains tree frog Litoria citropa. Part 1. Sequusing electrospray mass spectrometry."

Rapid Commun. Mass Spectrom. 13:2498-2502(1999).

-i- FUNCTION: Hypotensive neuropeptide (Probable).

-i- SUBCELLULAR LOCATION: Secreted.
Periplaneta americana (American cockroach).
Bukaryota; Metbazoa; Arthropoda; Hexapoda; Insecta;
Neoptera; Orthopteroidea; Dictyoptera; Blattaria;
Blattidae; Periplaneta.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Litoria citropa (Australian blue mountains tree frog).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleos
Amphibia; Batrachia; Anura; Neobatrachia; Hyloidea; Hylidae;
Pelodryadinae; Litoria.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-OCT-2001 (Rel. 40, Created)
16-OCT-2001 (Rel. 40, Last sequence up
05-JUL-2004 (Rel. 44, Last annotation
Caerulein 4.2/4.284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE
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                                                                                       Corazonin.
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MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PROSITE; PS00259; GASTRIN; FALSE_NEG.
Amidation; Amphibian defense peptide; Direct protein sequencing;
Hypotensive agent; Pyrrolidone carboxylic acid; Sulfation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE, AND MASS SPECTROMETRY.
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                                                                                                                                                                                                                                                                                                                                                                                                              Local
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PTM: Isoform 4.2Y4 differs from isoform 4.2 in not being sul
MASS SPECTROMETRY: MW=1404; METHOD=Electrospray; RANGE=1-11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SIMILARITY: Belongs to the gastrin/cholecystokinin
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(Rel.
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80.0%;
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                          Blattoidea;
                                            Pterygota;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Euteleostomi;
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Matches 3
O77898;
O77898;
O1-NOV-1998 (TrEMBLrel. 08, Created)
O1-NOV-1998 (TrEMBLrel. 08, Last sequence update)
O1-NOV-1998 (TrEMBLrel. 19, Last annotation update)
O1-DEC-2001 (TrEMBLrel. 12 (Fragment).
MHC class II B locus 12 (Fragment).
                                                                                                                                                                                                                                                                                                                                                                                            O77894;
O77894;
O1.NOV-1998 (TrEMBLrel. 08, Created)
O1.NOV-1998 (TrEMBLrel. 08, Last sequence update)
O1.DEC-2001 (TrEMBLrel. 19, Last annotation update)
O1.DEC-2001 (TrEMBLrel. 19, Last annotation update)
MHC class II B locus 12 (Fragment).
Oreochromis miloticus (Nile tilapia). (Tilapia nilotica).
Enkaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroidei;
Cichlidae; Oreochromis.
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NON_TER
SEQUENCE
                                                                                                                                                                                                                                                                                                                             SEQUENCE FROM N.A.
MEDLINE=98315113; PubMed=9649539;
Malaga-Trillo E., Zaleska-Rutczynska Z.,
Figueroa F., Sultmann H., Klein J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MOD_RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PIR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEBS Lett. 250:231-234(1989).
-i- FUNCTION: Cardioactive peptide.
-the physiological regulation of
-i- SUBCELLULAR LOCATION: Secreted.
                                                                                   077898
                                                                                                                                                                                                                                                                                            Genetics 149:1527-1537(1998).
                                                                                                                                                                                                                                                                                                       "Linkage relationships and haplotype polymorphism among cichlid MHC class II B loci.";
                                                                                                                                                                                                                                                                                                                                                                                          NCBI_TaxID=8128;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE
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MEDLINE=89325572; PubMed=2753132; DOI=10.1016/0014-5793(89)80727-6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Veenstra J.A.;
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Pred. No. 1e+0
2; Mismatches
                                                                                                                                                                                             Score 20; DB 2;
Pred. No. 1e+04;
2; Mismatches
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          (Tilapia nilotica).
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RESULT 11
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Q65CG
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AC Q65CC
DT 25-OC
DT 25-O
RESULT 12
FARP MONEX
ID FARP
AC P4196
DT 01-NC
DT 05-JU
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OS MONIE
OC EUKARI
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Best Local S
Matches 4
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Best Local
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                               p41966;
01-NOV-1995 (Rel. 32, Created)
01-NOV-1995 (Rel. 32, Last sequence update)
01-NOV-1995 (Rel. 44, Last amotation update)
05-JUL-2004 (Rel. 44, Last amotation update)
FMRFamide-like neuropeptide GNFFRF-amide.
Moniezia expansa (Sheep tapeworm).
Eukaryota; Metazoa; Platyhelminthes; Cestoda; EuCyclophyllidea; Anoplocephalidae; Moniezia.
NCBI TaxID=28841;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q65CG7;
25-OCT-2004 (TrEMBLrel. 28,
25-OCT-2004 (TrEMBLrel. 28,
25-OCT-2004 (TrEMBLrel. 28,
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Genetics 149:5527-1537(1998).
                                                                                                                                                                                                                                                                MONEX
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Submitted (SEP-2002) to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Viruses; ssDNA viruses;
NCBI_TaxID=71186;
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  SEQUENCE
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ER 1 1
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3; Conserv
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No.
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leaf curl-affected
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RESULT 14
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Best Local S
Matches 2
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Best Local S
Matches 3
                                                                                                                                  Q71Z27;
Q71Z27;
Q1-MAR-2004 (TrEMBLrel. 26, Last sequence update)
Q1-MAR-2004 (TrEMBLrel. 26, Last sequence update)
Q1-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Q1-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Acetylcholinesterase (EC 3.1.1.7), venom (Fragment).
Maja oxiana (Central Asian cobra) (Oxus cobra).
Bukaryota, Metazoa, Chordata; Craniata; Vertebrata; Buteleostomi;
Bukaryota, Metazoa, Chordata; Craniata; Vertebrate; Colubroidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            O99MNO;
O1-JUN-2001 (TrEMBLrel. 17, Created)
O1-JUN-2001 (TrEMBLrel. 17, Last sequence update)
O1-DEC-2001 (TrEMBLrel. 19, Last annotation update)
Adenosine deaminase tRNA-specific 1 (Fragment).
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Maule A.G., Shaw C., Halton D.W., Thim L.;
"GNFFRFRanide: a novel FMFFRanide-immunoreactive peptide isolated from the sheep tapeworm, Moniezia expansa.";
Biochem. Biophys. Res. Commun. 193:1054-1060(1993).
-!- SUBCELLULAR LOCATION: Secreted.
-!- SUBCELLULAR LOCATION: Secreted.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mamm. Genome 12:387-393(2001).
EMBL; AF328904; AAK19310.1; -.
MGD; MGI:1353631; Adat1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDLINE=21231131; PubMed=11331948; Maas S., Kim Y.G., Rich A.; Genomic clustering of tRNA-specific tRNA synthetases.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
SEQUENCE.
MEDLINE=91296772; PubMed=2068091;
                                                                                                 Lepidosauria; Squamata; Scleroglossa;
Elapidae; Elapinae; Naja.
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MOD_RES 6 Phenylalanine amide.
                                                                           NCBI_TaxID=8657;
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A43129; A43129.
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2; Conserva
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75.0%;
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Pred. No. 1.6e+06
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RESULT
Q9TR47
ID Q9
AC Q9
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AC M9
AC M
Search completed: August
Job time : 179 secs
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Matches 2
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Best Local S
                                                                                                                                                                                                                                                                                                                                             MEDLINE=96029671; PubMed=7592757; DOI=10.1074/jbc.270.43.25752; Hori O., Brett J., Slattery T., Cao R., Zhang J., Chen J.X., Nagashima M., Lundh E.R., Vijay S., Nitecki D.; "The receptor for advanced glycation end products (RAGE) is a c binding site for amphoterin. Mediation of neurite outgrowth and expression of rage and amphoterin in the developing nervous sys J. Biol. Chem. 270:25752-25761(1995).
SEQUENCE 10 AA; 1163 MW; 28E5034453769B18 CRC64;
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Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
Bovinae; Bos.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NON_TER
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Bos taurus (Bovine)
Eukaryota; Metazoa;
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01-MAY-2000 (TrEMBLrel. 13,
01-DEC-2001 (TrEMBLrel. 19,
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Proc. Natl. Acad. Sci. U.S.A. 88:6117-6121(1991).

PIR; A41117; A41117.

GO; GO:0003990; F:acetylcholinesterase activity;
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Pred. No. 1.4e+04;
2; Mismatches 1
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Pred. No. 1.6e+06;
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74 26 43.3 10 8 ADP87303 75 25 41.7 5 7 ABG75141 76 25 41.7 6 6 ABR46739 77 25 41.7 6 6 ABR46531 78 25 41.7 6 6 ABR46533 79 25 41.7 6 6 ABR46523 79 25 41.7 6 6 ABR46543 81 25 41.7 6 6 ABR46513 83 25 41.7 8 6 ABR54137 84 25 41.7 8 6 ABR54137 85 25 41.7 8 6 ABR54139 86 25 41.7 8 6 ABR54139 87 25 41.7 8 7 ADM72829 89 25 41.7 9 8 ADM2276 89 25 41.7 9 5 ABG75230 90 25 41.7 9 7 ADM23636 91 25 41.7 9 8 ADM23636 92 25 41.7 10 8 ADM23636 93 25 41.7 10 8 ADM2448 94 25 41.7 10 8 ADM27412 94 25 41.7 10 8 ADM3746 95 25 41.7 10 8 ADM3746 96 25 41.7 10 8 ADM3765 97 25 41.7 10 8 ADM3765 98 25 41.7 10 8 ADM3765	26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 27 43.3 28 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	27 45.0 26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 26 43.3 28 66 43.3 28 66 43.3 28 66 43.3 38 86 43.3 38 86 43.3 43	27 45.0 10 8 27 45.0 10 8 27 45.0 10 8 27 45.0 11 8 27 45.0 11 8 27 45.0 11 4 27 45.0 11 4	27 45.0 10 2 27 45.0 10 8 27 45.0 10 8 27 45.0 10 8 27 45.0 10 8 27 45.0 10 8	27 45.0 9 2 27 45.0 9 5 27 45.0 9 5 27 45.0 9 5 27 45.0 9 5 27 45.0 9 8 27 45.0 9 8 27 45.0 9 8	27 45.0 7 2 27 45.0 7 2 27 45.0 7 3 27 45.0 8 8
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13-MAY-1994;
29-JUL-1994;
23-NOV-1994;
23-NOV-1994;
                                                                                                                                 The present invention describe a method for detecting target hepatitis GB virus (HGBV) nucleic acid (THN) in a test sample (T) suspected of containing HGBV. The method involves reacting (T) with a HGBV polynucleotide probe (I) containing 15 contiguous nucleotides, and which selectively hybridises to the HGBV genome or its full complement, and detecting the complex that contains THN, indicating the presence of target HGBV. The method is used for detecting target HGBV nucleic acid in the test sample suspected of containing HGBV and for characterisation of newly ascertained etiological agent of non-A, non-B, non-C, non-D and non-E hepatitis causing agents collectively termed as hepatitis GB virus. AAA55270 to AAA55489 and AAB08985 to AAB09480 represent nucleotide and protein sequences used in the exemplification of the present invention. (Updated on 06-AUG-2003 to correct OS field.)
                                                                                                                                                                                                                                                                                                                                    Detecting target hepatitis GB virus nucleic acid in a test sample suspected of containing HGBV comprises reacting the test sample the HGBV polynucleotide probe and detecting the complex that contains target HGBV
                                                                                                           Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-AUG-2003
30-AUG-2000
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Mushahwar IK,
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94US-00283314.
94US-00344185.
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95US-00377557.
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JN, Desai SM,
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                                                           Score 34; DB 3;
Pred. No. 1.8e+06;
0; Mismatches 1
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Erker JC, (
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Schlauder GG;
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RESULT 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New polypeptide encoded by an alternative reading virus comprising an antigenic determinant, useful preventing an infection with the pathogenic virus.
Human papillomavirus
                          pathogenic virus; alternative reading frame; antigenic determinant; virucide; vaccine; therapeutic agent; infection; HPV.
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                                                                    Human
                                                                                               06-MAY-2004
                                                                                                                                                                                                                                                                                                                            Sequence 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 18; Page 192; 220pp; English.
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11-JUL-2003;
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virucide; vaccine; therapeutic agent;
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2003EP-00450171.
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62.5%;
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infection; HPV.
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05-FEB-2004.

WO2004011650-A2

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RESULT 4
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                 11-JUL-2001; 2001WO-EP008004
                                                                                                                                                                                             formylated peptide receptor; FPR; neutrophil; monocyte; endothelial cinflammation; cardiovascular disease; central nervous system disease; gastrointestinal disease; skin disease; genitourinary disease; joint disease; respiratory disease; HIV infection; antiinflammatory; cardiant; cerebroprotective; neuroprotective; nootropic; dermatologic.
                                          11-JUL-2001; 2001WO-EP008004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New polypeptide encoded by an alternative reading frame of a pathogenic virus comprising an antigenic determinant, useful for treating or preventing an infection with the pathogenic virus.
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                                                                                                         WO2003006048-A1
                                                                                                                                       Synthetic.
                                                                                                                                                     Staphylococcus aureus
                                                                                                                                                                                   gynecological;
                                                                                                                                                                                                                                                                           CHIPS; Chemotaxis Inhibitory Protein; C5a-receptor; C5aR;
                                                                                                                                                                                                                                                                                                        Staphylococcus aureus CHIPS-related peptide #1705.
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11-JUL-2003; 2003EP-00450171.
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                                                                                                                                                                                                                                                                                                                                                                                                  standard; peptide; 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Schmidt W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                   immunosuppressive;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        51.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 31;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mismatches
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                                                                                                                                                                                                                                                           monocyte; endothelial cell;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 10;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                dermatological;
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Staphylococcus aureus. The peptide fragments are useful in the prophylaxis or treatment of diseases or disorders involving the C5a-prophylaxis or treatment of diseases or disorders involving the C5a-receptor (C5aR) and/or formylated peptide receptor (FPR) or neutrophils, monocytes and endothelial cells or involving acute or chronic inflammation reactions. The diseases or disorders include cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Van
Van
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      diseases, disease of the central nervous system, gastrointestinal diseases, skin diseases, genitourinary diseases, joint diseases, respiratory diseases and HIV infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Combination of peptides derived from chemotaxis inhibiting protein from Staphylococcus aureus (CHIPS) having CHIPS activity, useful in prophylaxis and treatment of inflammation, cardiovascular, skin and
                                                                                                                             Dengue virus peptide antigens - infection.
                                                                                                                                                                                                                                                        Chan L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   20-OCT-1998.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Dengue virus type-2 glycoprotein NS1; dengue haemorrhagic dengue shock syndrome; DSS; Aedes aegypti; mosquito; antig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Dengue virus
                                                                                                                                                                                                        WPI; 1998-582552/49.
                                                                                                                                                                                                                                                                                                                                                             15-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                                                                             15-AUG-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US5824506-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dengue virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     immunisation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-DEC-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAW72493 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present -ABR47385) d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 17;
                                                                                                                                                                                                                                                                                                             (GENE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            kidney diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kessel CPM,
Strijp JAG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2003-256333/25
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5; Conserv
                                                                                                                                                                                                                                                                                                          GENELABS DIAGNOSTICS PTE
                                                                                                                                                                                                                                                          Guan
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                                                                          Col
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              t invention relates to peptides (ABR44811-ABR47162 and ABR47164 derived from the Chemotaxis Inhibitory Protein (CHIPS) from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        type-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        immunoreactive;
                                                                        17; 21pp;
                                                                                                                                                                                                                                                                                                                                                             94US-00290268
                                                                                                                                                                                                                                                                                                                                                                                                                94US-00290268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gosselaar-De Haas CJC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           glycoprotein NS1 peptide for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              entry)
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                                                                          English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Aedes aegypti; mosquito; e; infection.
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Pred. No. 1.8e
0; Mismatches
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                                                                                                                                                  for diagnosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 6;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                antigen; vaccine;
                                                                                                                                                     of,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        fever;
                                                                                                                                                     dengue virus
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AAW72456 to AAW72570 represent peptide fragments from type-2 glycoprotein NS1, which was used in an example

the dengue virus from the present

Example 1;

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Best Local :
                  This is a Cys (AcrId) peptide derivative capable of binding to a human oncogenic protein mDM2. The MDM2 binding peptides can specifically inhibit or block the binding of mDM2 to the human p53 protein, in vitro or in vivo. Inhibiting the interaction between the p53 and MDM2 can induce growth arrest or apoptosis in tumour cells comprising a wild-type p53 and non-elevated levels of MDM2. The peptides may be used to identify molecules that bind to MDM2 and to identify and design inhibitors of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention for an epitope mapping assay. The invention has developed peptide antigens consisting of fragments of the dengue virus NSI protein. The peptide antigens can be used for the diagnosis of dengue virus infection by detection of antibodies to the virus, especially in an assay comprising attaching the antigen to a solid support, contacting a serum sample with the support, and detecting bound antibodies with a labelled anti-human antibody or used for preparing vaccines against dengue virus
                                                                                                                                                                                                                                                                                                                  Compounds binding to MDM2 protein and inhibit its interaction with p53 useful in, e.g. diagnosis and treatment of cancer and viral infections and identifying binding agents.
                                                                                                                                                                                                                                                              Example 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1998-100996/09.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lane D, Boettger V, Garcia-Echeverria C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (NOVS )
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-JUL-1996;
07-APR-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              04-JUL-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tumour; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MDM2; oncogenic protein; p53; human; inhibition; interaction; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human oncogenic protein MDM2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Modified-site
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                                                                                                                                                                                                                                                              Page 20; 45pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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97GB-00007041.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                note= "N-terminal acetyl; Sulphydryl side-chain linked
co 6-acryloyl-2-(dimethylamino) naphthalene"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CAMPAIGN TECHNOLOGY.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Boettger A, Picks
Chene P, Furet P;
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Pred. No. 1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               binding
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cys (Acrld) peptide derivative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hochkeppel H;
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RESULT 7
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                                                              This invention describes a novel rabbit carboxylesterase polypeptide (I) (C) capable of metabolizing a chemotherapeutic prodrug and its inactive metabolites into an active drug. The invention also describes a composition comprising (I) and a disease-specific responsive promoter. (C) This composition is useful for sensitizing tumor cells to a composition prodrug (preferably CRT-11 or APC) by transfecting into C chemotherapeutic prodrug (preferably CRT-11 or APC) by transfecting into C cumor cells, and contacting the sensitized cells with a chemotherapeutic prodrug to inhibit growth of the tumor cells. The composition can also be administered to be site of tumor resection to inhibit tumor centrence, and an administered to bone marrow cells to remove tumor cells. The C products of the invention are useful for identifying drugs that are inactivated by a carboxylesterase enzyme, and are also useful for identifying compounds containing a COOC ester linkage that are activated by a carboxylesterase enzyme. This sequence represents a fragment of a crabboxylesterase enzyme. This sequence represents a fragment of a crabboxylesterase which is described in the method of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Carboxylesterase; rabbit; tumour cell; chemotherapy; prodrug; disease-specific responsive promoter; CRT-11; APC; resection; inhibition; bone marrow cell.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rabbit carboxylesterase protein fragment
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            neutrophil differentiation; acquired immunodeficiency syndrome; chemotherapy-induced neutropaenia; community acquired pneumonia; depressed neutrophil count; immunostimulant.
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Pred. No. 1.8e+06;
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proliferation;
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                                                                                                                The invention relates to a novel method for producing a compound library. The novel method involves reducing a biological target into a group of one or more amino acids required for interaction with a ligand, to generate a model of the biological target, using the model to define a microenvironment in the biological target capable of interacting with the ligand, defining motifs which interact with the microenvironment, and assembling the motifs to generate a compound library for synthesis. The novel method is useful to produce compound libraries for screening natural ligands such as peptides and proteins or for producing chemical compounds based on drug motifs for screening. This sequence represents a peptide of a G-protein Coupled Receptor (GPCR) relating to Rhodopsin, a bett to be a controlled Receptor (GPCR) relating to Rhodopsin,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cells expressing G-CSFR on the cell surface (or inside permeabilised cells) as a commercial research respent for various medical and diagnostic uses or to treat a disease that would benefit from the abil to of a compound to mimic the effects of G-CSF in vivo. The compounds bind specifically to G-CSFR and allow for Studies of biological activities mediated by the receptor and for the treatment of diseases, disorders and conditions that would benefit from activating or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Producing compound library, by generating biological target model us target sequence information, defining microenvironments interacting ligand and motifs interacting with microenvironment, and assembling
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   motifs.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Rhodopsin related G-protein coupled receptor binding site peptide
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                                                                                             relates to the novel
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                                                                                             compound
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; Pred. No. 2.2e;
1; Mismatches
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                                                                                          production method of
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Sequence 11 AA;

Query Match

Local

100.0%; 48.3%;

Score 29; Pred. No.

Length 11;

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RESULT 10
ABR46459
ID ABR466
XX ABR466
XX ABR466
XX CHIPS
KW CHIPS
KW Gormy
KW Jointla
KW Gynec
XX Staph
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Matches 4
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Matches
                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to peptides (ABR44811-ABR47162 and ABR47164-ABR47385) derived from the Chemotaxis Inhibitory Protein (CHIPS) from Staphylococcus aureus. The peptide fragments are useful in the prophylaxis or treatment of diseases or disorders involving the C5a-receptor (C5aR) and/or formylated peptide receptor (FPR) or neutrophils, monocytes and endothelial cells or involving acute or chronic inflammation reactions. The diseases or disorders include cardiovascular
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               combination of peptides derived from chemotaxis inhibiting protein from Staphylococcus aureus (CHIPS) having CHIPS activity, useful in prophylaxis and treatment of inflammation, cardiovascular, skin and kidney diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CHIPS; Chemotaxis Inhibitory Protein; C5a-receptor; C5aR; formylated peptide receptor; FPR; neutrophil; monocyte; endothelial cell inflammation; cardiovascular disease; central nervous system disease; gastrointestinal disease; skin disease; genitourinary disease; joint disease; respiratory disease; HIV infection; antiinflammatory; cardiant; cerebroprotective; neuroprotective; nootropic; dermatological;
                                                                                                                                                                                                                                                                                       diseases, disease of the central nervous system, gastrointestinal diseases, skin diseases, genitourinary diseases, joint diseases, respiratory diseases and HIV infection
                                                                                                                                                                                                                                     Sequence 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 16; 89pp; English
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Strijp JAG;
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5; Conserv
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66.7%;
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                                                                                                                                              Score 28;
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0. 2.4e+02;
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                                                        Cc analysing the surface conformation of a protein using one or more of the college polypeptide sequences mentioned above; (2) methods of identifying comodulators of protein function using one or more of the polypeptide sequences mentioned above; (3) a pharmaceutical composition comprising a comparation of a filamentioned above; (3) a pharmaceutical composition comprising a comparation of the polypeptide sequences compared that binds to the androgen receptor, the binding being competitively inhibited by the polypeptide above; (5) a chimeric protein comprising the above polypeptide and at least a comparison of a filamentous phage protein to the coat of phage particles to display the polypeptide; (6) a chimeric protein being sufficient for integration of the chimeric protein comparison of a filamentous phage particles to display the polypeptide; (6) a comparison of a patient characterised by abnormal levels of comparison of androgen receptor, comprising providing a sample of body fluid or tissue of the patient, administering a diagnostic amount of the characterised by abnormal levels of activated androgen receptor in the body fluid or tissue of the patient; comparising daministering a patient suffering from a disease characterised by abnormal levels of activated androgen receptor; comprising administering a patient suffering from a disease the composition described above. The androgen receptor, comprising patient of the patient a therapeutic amount of the pharmaceutical composition and methods are useful for diagnosing or treating patients suffering from diseases characterised by abnormal confidency. The composition of androgen receptor, such as prostate cancer. They can also be used in biological receptor, such as prostate cancer. They can androgen receptor interacting peptide, which is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention describes a polypeptide that binds to the androgen receptor, or a polypeptide that comprises at least 50% amino acid sequence identity to the polypeptide. Also described: (1) methods of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diagnosing activation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New polypeptides that bind to the androgen receptor, useful for diagnosing or treating diseases associated with abnormal levels of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; SEQ ID NO 20; 46pp; English.
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Vascular Dementia; VD; VD-associated protein isoform; VPI; screening;
                                                                                                                                                                                                                                                                                                                                                                                                                  WPI;
                    Vascular dementia-associated protein isoform (VPI) 159.
                                             15-FEB-2002
                                                                    ABB55959
                                                                                        ABB55959 standard; peptide; 10
                                                                                                                                                                                                                                        Sequence 9 AA;
                                                                                                                                                                                                                                                            The invention relates to polypeptides that constitute the HsdR, HsdM or HsdS subunit of a R/M [restriction/modification] type Ic bacteriophage resistance mechanism active against the phages of lactic acid bacteria, especially Lactococcus lactis. Also claimed are fragments of the HsdR, HsdM and HsdS gene which encode peptides AAY04666-Y04679. Nucleic acids encoding the HsdR, HsdM or HsdS fragment can be used for expression of at least one bacteriophage resistance mechanism in a lactic acid bacterium
                                                                                                                                                                                                                                                                                                                                                                                                                                        Chopin MC,
                                                                                                                                                                                                                                                                                                                                                         Claim 7; Page 62; 65pp; French.
                                                                                                                                                                                                                                                                                                                                                                                Bacteriophage resistance mechanism bacteria, especially Lactobacillus
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lactic acid bacterium.
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71.4%;
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                                                                                            Synthetic
                                                                                                                        Binding moiety; human parvovirus; B19 polypeptide; VP1 capsid protein; VP2 capsid protein; blood; vaccine.
                                                                                                                                                                       Binding moiety for a human parvovirus
                                                                                                                                                                                                      04-SEP-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Screening, diagnosis or prognosis of vascular dementia (VD), useful determining stage of VD and monitoring the effect of VD therapy, comprises analyzing body fluid by 2-dimensional electrophoresis for features correlated with VD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           15-MAR-2000; 2000GB-00006285
24-NOV-2000; 2000GB-00028734
28-NOV-2000; 2000US-00724391
                                11-MAY-2000.
                                                               WO200025807-A1
                                                                                                                                                                                                                                    AAY93379;
                                                                                                                                                                                                                                                                AAY93379 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 10 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to screening,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 6; Page 33; 151pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-557937/62.
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Pred. No.
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99WO-US026275.

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98US-00186958.

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RESULT 15
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                                                                               Walk-through mutagenesis of a nucleic acid encoding a polypeptide, useful for producing mutant polypeptides comprises synthesizing oligonucleotides comprising a nucleotide sequence for each target region of a prototype amino acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 walk-through mutagenesis; prototype amino acid; prototype nucleotide; mutant polypeptide production; MCPC 603; complimentarity determining region; CDR; heavy chain; CDR3; mutant;
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Example; Fig 7; 40pp; English

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23 38.3 36.1 23 38.3 66.1 23 38.3 36.3 66.3 38.3 38.3 38.3 38.3 38.	24 40.0 11 1 24 40.0 11 3 24 40.0 11 3	24 40.0 9 4 40.0 9 5 5 2 4 40.0 10 3 3 4 40.0 11 5 5 11 5 11 5 11 5 11 5 11 5 11 5	24 40.0 7 4 24 40.0 9 1 24 40.0 9 3 24 40.0 9 3	25 41.7 11 3 25 41.7 11 3 25 41.7 11 3 24 40.0 7 4 24 40.0 7 4	27 45.0 11 4 27 45.0 11 4 26 43.3 5 1 26 43.3 5 3 25 41.7 11 1 25 41.7 11 1 25 41.7 11 1	27 45.0 11 3 27 45.0 11 27 45	27 45.0 11 3	27 45.0 11 3 27 45.0 11 3	27 45.0 11 1 27 45.0 11 1 27 45.0 11 1 27 45.0 11 1	27 45.0 11 1 27 45.0 11 1 27 45.0 11 1 27 45.0 11 1	27 45.0 11 1 27 45.0 11 1 27 45.0 11 1 27 45.0 11 1	27 45.0 11 1 27 45.0 11 1 27 45.0 11 1 27 45.0 11 1	27 45.0 10 3
6 1 US-08-277-660A-3 Sequence 6 1 US-08-424-957-3 Sequence 6 1 US-08-424-957-16 Sequence 6 1 US-09-035-686-3 Sequence 6 3 US-09-035-686-16 Sequence 6 3 US-09-015-686-16 Sequence 6 4 US-09-015-686-16 Sequence 6 4 US-09-015-175-2 Sequence 6 4 US-09-412-641-3 Sequence 8 4 US-09-422-641-3 Sequence 9 4 US-09-402-641-5 Sequence 9 4 US-09-402-641-5 Sequence	24 40.0 11 1 US-08-277-660A-16 24 40.0 11 1 US-08-424-957-28 24 40.0 11 1 US-08-424-957-29 24 40.0 11 1 US-08-424-957-40 24 40.0 11 1 US-08-424-957-40 24 40.0 11 3 US-09-035-686-28 24 40.0 11 3 US-09-035-686-28 24 40.0 11 3 US-09-035-686-29	24 40.0 9 4 US-09-971-020A-21 Sequence 24 40.0 9 4 US-09-971-020A-21 Sequence 24 40.0 9 5 PCT-US94-01258-50 Sequence 24 40.0 9 5 PCT-US95-11235-50 Sequence 24 40.0 10 2 US-08-713-636-4 Sequence 24 40.0 10 3 US-08-713-636-4 Sequence 24 40.0 10 5 PCT-US92-07631-16 Sequence 24 40.0 10 5 PCT-US92-07631-16 Sequence 24 40.0 10 5 PCT-US92-07631-15 Sequence 24 40.0 11 1 US-08-277-6608-15 Sequence 24 40.0 11 1 US-08-277-6608-15 Sequence	24 40.0 7 4 US-09-637-614-36 24 40.0 9 1 US-08-300-386A-50 24 40.0 9 3 US-08-931-645-50 24 40.0 9 4 US-09-971-020A-20 24 40.0 9 4 US-09-971-020A-20	25 41.7 11 3 US-09-035-686-45 Sequence 25 41.7 11 3 US-09-035-686-46 Sequence 24 40.0 7 4 US-09-638-202A-36 Sequence 24 40.0 7 4 US-09-696-749A-36 Sequence 24 40.0 7 4 US-09-096-749A-36 Sequence	27 45.0 11 4 US-09-030-052-5 27 45.0 11 4 US-09-030-052-5 26 43.3 5 1 US-08-424-957-5 26 43.3 5 3 US-09-035-686-5 25 41.7 91 US-08-424-957-44 25 41.7 11 1 US-08-424-957-45 41.7 11 1 US-08-424-957-45 41.7 11 1 US-08-424-957-46	27 45.0 11 3 US-09-035-686-34 Sequence 27 45.0 11 3 US-09-035-686-34 Sequence 27 45.0 11 3 US-09-035-686-36 Sequence 27 45.0 11 3 US-09-035-686-36 Sequence	27 45.0 11 3 US-09-035-686-25 Sequence 27 45.0 11 3 US-09-035-686-26 Sequence 27 45.0 11 3 US-09-035-686-26 Sequence	27 45.0 11 3 US-09-035-686-17 Sequence 27 45.0 11 3 US-09-035-686-23 Sequence 27 45.0 11 3 US-09-036-666-23 Sequence	27 45.0 11 1 US-U8-424-957-33 Sequence 27 45.0 11 1 US-08-424-957-34 Sequence 27 45.0 11 1 US-08-424-957-36 Sequence 27 45.0 11 1 US-08-424-957-43 Sequence	27 45.0 11 1 US-08-424-957-24 27 45.0 11 1 US-08-424-957-25 27 45.0 11 1 US-08-424-957-26 27 45.0 11 1 US-08-424-957-26 27 45.0 11 1 US-08-424-957-32	27 45.0 11 1 US-08-277-660A-19 Sequence 27 45.0 11 1 US-08-277-660A-20 Sequence 27 45.0 11 1 US-08-424-557-17 Sequence 27 45.0 11 1 US-08-424-557-23 Sequence 27 45.0 11 1 US-08-424-57-23 Sequence 27 45.0 11 1 US-08-424-57-23 Sequence 27 45.0 11 1 US-08-624-637-23 Sequence 27 45.0 11 US-08-624-638-63-63 Sequence 27 45.0 11 US-08-624-638-63 Sequence 27 45.0 US-08-638-63 Sequence 27 45.0 US-08-638-638-63 Sequence 27 45.0 US-08-638-638-63 Sequence 27 45.0 US-08-638-638-638-638-638-638-638-638-638-63	27 45.0 11 1 US-08-277-660A-9 Sequence 27 45.0 11 1 US-08-277-660A-10 Sequence 27 45.0 11 1 US-08-277-660A-11 Sequence 27 45.0 11 1 US-08-277-660A-12 Sequence 27 45.0 11 1 US-08-277-660A-13 Sequence	27 45.0 10 3 US-09-035-686-11 27 45.0 10 3 US-09-035-686-18

ALIGNMENTS

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RESULT 2
US-08-488-446-252
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Best Local Similarity
Thes 6; Conserve
                                                                                                                                                                                                                                                                                                US-08-469-260A-252
                                                Sequence 252, Application US/08488446 Patent No. 6558898
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GENERAL INFORMATION:
APPLICANT: JOHN N
APPLICANT: TAMI J
                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 252:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                            TYPE: amino a TOPOLOGY: lir MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION:
PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B. NON-C,
TITLE OF INVENTION: REAGENTS AND METHODS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/469,260A FILING DATE:
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T: 100 ABBOTT PARK ROAD
ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                amino acid
GY: linear
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                                                                                                                                                         FSHLWIS 7
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GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     USA
JOHN N. SIMONS
TAMI J. PILOT-MATIAS
                                                                                                                                                                                                                             Conservative
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TAMI J. PILOT-MATIAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ANTHONY SCOTT MUERHOFF
                                                                                                                                                                                                                                                                                                            protein
                                                                                                                                                                                                                                           56.7%;
85.7%;
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                                                                                                                                                                                                                        Score 34; DB 4;
Pred. No. 4.1e+05;
0; Mismatches 1
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                                                                                                                                                                                                                                                            Length 8;
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RESULT 3
US-08-467-344A-252
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Loc
Matches
                                                                                                                                                                                                                                                                              Sequence 252, Applicat Patent No. 6586568 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/0
FILLING DATE:
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 60064-3500

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,446
FILING DATE:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUERHOFF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B. NON-C, NON-B. HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
                                                                APPLICANT: JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DANSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
JAMES C. ERKER
SHERI L. BUIJK
ISA K. MUSHAHMAR
ISA K. MUSHAHMAR
ISA K. MUSHAHMAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NAME: POREMBSKI, PRISCILLA E. REGISTRATION NUMBER: 33,207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
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              TITLE OF INVENTION: NON-A, NON-B. NON-C, REAGENTS AND METHODS NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          amino acid
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                                                                                                                                                                                                                                                                                                                      Application US/08467344A
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85.7%;
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Pred. No. 4.
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                                     NON-D, NON-E HEPATITIS FOR THEIR USE
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US-08-424-550B-252
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 56.7%;
Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: JOHN N
                                                                                                                                                                                                                     APPLICANT: SHERI L. BULUN APPLICANT: ISA K. MUSHAHWAR APPLICANT: ISA K. MUSHAHWAR TITLE OF INVENTION: NON-A, NON-B. NON-C, NON-D, NON-E HEPATITIS TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE NUMBER OF SEQUENCES: 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO: 252:
SEQUENCE CHARACTERISTICS:
ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES
STREET: 100 ABBOTT PARK ROAD
                                                                                                                                                                                                                                                                                                                                                                APPLICANT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 107-08/467,344A

FILING DATE: 07-Jun-1995

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: 08/424,550
FILING DATE: CUNKNOWN>
ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEPHONE: 708-938-2663
                                                                                                                              COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: protein SEQ ID NO: 252:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5 FSELWIS 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: ABBOTT LABORATORIES D377/AP6D STREET: 100 ABBOTT PARK ROAD CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                    JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
                                                                                                                                                                                                                                                                                                                JAMES C. ERKER
SHERI L. BUIJK
ISA K. MUSHAHWAR
                                                                                                                                    USA
                                                                                                                                                                                                                                                                                                                                                                                   ANTHONY SCOTT MUERHOFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           60064-3500
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 34; DB 4;
Pred. No. 4.1e+05;
                                                                                                                                                                                                                  D377/AP6D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 8;
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RESULT 5
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Patent No. 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Picksley, Stev
APPLICANT: Lane, David P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                      TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                    NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-61228/WHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
                                                                       SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                             FILING DATE: 20-JUL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE: 20-JUL-
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REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
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APPLICATION NUMBER: US/08/424,550B
FILING DATE:
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NAME: POREMBSKI, PRISCILLA E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
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CITY: San Francisco
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                  STRANDEDNESS
                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US/08/424,957 FILING DATE: 19-APR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: United States ZIP: 94111-4187
                                                                                                                                                                                                                                                                                                       CLASSIFICATION:
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                                                ENGTH:
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5770377
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                                                  6 amino acids
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85.7%;
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Pred. No. 4.1e+05;
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US-08-424-957-42
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                                               Sequence 42, Application US/08424957 Patent No. 5770377 GENERAL INFORMATION:
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Patent No. 6153391
GENERAL INFORMATION:
APPLICANT: Picksley, Steven M.
APPLICANT: Lane, David P.
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Best Local (
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Best Local
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
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APPLICATION NUMBER: US 08/
FILING DATE: 19-APR-1995
APPLICATION NUMBER: US 08/
FILING DATE: 20-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: US 08/
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/035,686
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ADDRESSEE: Flehr, Hohbach, Test,
STREET: Four Embarcadero Center,
                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE/DOCKET NUMBER: A-61228/WHD TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 781-1989
TELEPHONE: (415) 398-3249
APPLICANT: Picksley, Steven M. APPLICANT: Lane, David P. TITLE OF INVENTION: Interrupti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
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nes 5; Conserv
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CLASSIFICATION:
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Interruption of Binding of MDM2 and P53
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Suite 3400
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Patent No. 6153391
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Best Local
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                                                SOFTWARE: PatentIn Release #1.0, Version CURRENT APPLICATION DATA: APPLICATION NUMBER: US/09/035,686
                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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REGISTRATION NUMBER: 24.190
REFERENCE/DOCKET NUMBER: A-:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
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CORRESPONDENCE ADDRESS: Flehr, Hohbach, Test, Albritton & Herbert STREET: Four Embarcadero Center, Suite 3400
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CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohbach,
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LENGTH: 11 amino acids
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APPLICATION NUMBER:
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ATTORNEY/AGENT INFORMATION:
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PRIOR APPLICATION DATA:
                                                                                                                                                                                                                CITY: San Francisco
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                       COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                 FILING DATE
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                  CLASSIFICATION
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; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
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Patent No. 6800483
GENERAL INFORMATION:
APPLICANT: Danks, Mary K.
APPLICANT: Doubter, Philip M.
APPLICANT: Potter, Philip M.
APPLICANT: Houghton, Peter J.
APPLICANT: Houghton: Compositions and Methods for Sensitizing and Inhibiting Growth of TITLE OF INVENTION: Tumor Cells
FILE REFERENCE: SJ-0005
CURRENT APPLICATION NUMBER: US/09/595,682B
CURRENT FILING DATE: 2000-01-16
PRIOR APPLICATION NUMBER: 60/075,258
PRIOR APPLICATION NUMBER: PCT/US99/03171
PRIOR FILING DATE: 1999-02-12
PRIOR FILING DATE: 1999-02-12
                                                                                        Sequence 28, Application US/09620091 Patent No. 6716811 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 30
SOFTWARE: PATENTIN VEY: 2.0
SEQ ID NO 10
LENGTH: 7
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APPLICATION NUMBER: US 08/277,660
FILING DATE: 20-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-61228/WHI
                                                    APPLICANT: CWIRLA, STEVEN E. APPLICANT: BALU, PALANI
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
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nes 5; Conserv
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DUFFIN, DAVID J.
PIPLANI, SUNILA
MERRILL, BARBARA MCEOWEN
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US-09-669-271A-6
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Patent No. 6238860

GENERAL INFORMATION:

APPLICANT: Whellhan, E. Fayelle

TITLE OF INVENTION: Binding Moieties for Human Parvovirus B19

FILE REFERENCE: Dyax-009.0 US sequence listing

CURRENT APPLICATION NUMBER: US/09/186,958B

CURRENT FILING DATE: 1998-11-05

NUMBER OF SEQ ID NOS: 27

SOFTWARE: PatentIn Ver. 2.1
                                                                                                                                                              Sequence 6, Application US/09669271A Patent No. 6291197 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY TITLE OF INVENTION: STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED TITLE OF INVENTION: USES FILE REFERENCE: 0300-0014
CURRENT APPLICATION NUMBER: US/09/620,091
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 491
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 28
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQ ID NO 6
APPLICANT: Whelihan, E. Fayelle
TITLE OF INVENTION: Binding Moieties for Human
FILE REFERENCE: Dyax-009.0 US sequence listing
CURRENT APPLICATION NUMBER: US/09/669,271A
CURRENT FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR PILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 27
NUMBER OF SEQ ID NOS: 27
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TYPE: PRT
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Pred. No. 76;
1; Mismatches
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                                                                                                                                Parvovirus B19
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SOFTWARE: SEQ ID NO 6

PatentIn Ver. 2.1

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; Sequence 6, Application US/09881276
; Patent NO. 6479641
; GENERAL INFORMATION:
APPLICANT: Whellhan, E. Fayelle
; TITLE OF INVENTION: Binding Moieties for Human Parvovirus B19
; FILE REFERENCE: DYX-009.0 US-2
; CURRENT APPLICATION UNMBER: US/9/881,276
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: 09/669,271
; PRIOR APPLICATION NUMBER: 09/186,958
; PRIOR APPLICATION NUMBER: 09/186,958
; PRIOR APPLICATION NUMBER: 09/186,958
; PRIOR APPLICATION NUMBER: 1998-11-05
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                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-277-660A-2
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US-09-881-276-6
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SOFTWARE: Microsoft Word 97
SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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Best Local :
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ORGANISM: Artificial Sequence
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                  COUNTRY: United States
ZIP: 94111-4187
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
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                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
                                                                                                                                                                                                                                                                                           APPLICANT: Lane, David P.
TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
TITLE OF INVENTION: Protein and Therapeutic Application Thereof
                                                                                                                                                                                                                                                                                                                                          APPLICANT:
                                                                                                                                                                             CITY: San Francisco
STATE: California
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nes 5; Conserv
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62.5%;
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Pred. No. 1
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Pred. No. 1.2e+02;
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; TOPOLOGY: US-08-424-957-2
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US-08-424-957-2
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                                                                                                                                                    FILING DATE: 20-JUL-1994
ATTORNEY AGENT INFORMATIN:
NAME: Dreger, Walter H.
REGISTRATION HUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-61
TELECOMMUNICATION INFORMATION:
                                                                                            INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: Picks1
APPLICANT: Lane,
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                          SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Rel CURRENT APPLICATION DATA:
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ADDRESSEE: Flehr, Hohbach,
STREET: Four Embarcadero C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION:
                              STRANDEDNESS
                                                                                                                                                                                                                                                                                 FILING DATE: 1
CLASSIFICATION:
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REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 20
CLASSIFICATION:
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Lane, David P.
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                                                                                                                      (415) 398-3249
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                unknown
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Interruption of Binding of MDM2 and Protein and Therapeutic Application
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80.0%;
                                                                                                                                                                                                                                                                                                                                             Release #1.0,
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Center,
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                                                                                                                                                                                                                                                                                                                                               Version #1.30
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Query Match

45.0%;

Score 27;

DB 1;

Length

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Best Local Similarity 80.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Oy 5 PSELM 9
Db 2 PSDLM 6

Search completed: August 3, 2005, 18:42:34

Job time : 48 secs
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Result
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Maximum
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Maximum Match 100%
Listing first 100
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Perfect score:
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     1098765432
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seq length:
       2288223004
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                                                                                                                                                                                                                                                                                            Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07 PUBCOMB.pep:*

2: /cgn2_6/ptodata/2/pubpaa/US06 NEW PUB.pep:*

3: /cgn2_6/ptodata/2/pubpaa/US06 NEW PUB.pep:*

4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*

5: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

6: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

7: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*

9: /cgn2_6/ptodata/2/pubpaa/US09E_PUBCOMB.pep:*

10: /cgn2_6/ptodata/2/pubpaa/US09E_PUBCOMB.pep:*

11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*

12: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*

13: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*

14: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

15: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

16: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

18: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

19: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

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21: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

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26: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

27: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*

28: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep:*
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Match
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C US-10-658-271-0

7 US-10-659-207-28

US-09-486-734A-35

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US-09-214-371-83
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Sequence 252, App
Sequence 35, Appl
Sequence 36, Appl
Sequence 36, Appl
Sequence 36, Appl
Sequence 10, Appl
Sequence 28, Appl
Sequence 28, Appl
Sequence 35, Appl
Sequence 6, Appl
Sequence 6, Appl
Sequence 56, Appl
Sequence 83, Appl
                                                                                                                                                                        Description
     US-09-732-384-4
US-10-659-11
US-10-632-388-130
US-10-651-723-130
US-10-645-761-130
US-10-645-761-130
US-10-645-761-130
US-10-645-761-130
US-10-645-761-130
US-10-10-10-179-2
US-10-340-179-2
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  sequence seq
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Sequence 1,
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Sequence
Sequence
  "4, Appli to 130, Appli to 131, Appli to 131
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TYPE: amino acid; TOPOLOGY: linear; MOLECULE TYPE: protUS-08-424-550B-252
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       Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 60064-3500

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION UMBER: US/08/424,550B

FILING DATE:

CLASSIFICATION: 435435
                                                      Query Match
                                                                                                                                                                                               TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
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APPLICANT: JOHN N
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APPLICANT: ISA K. MUSHAHWAR
APPLICANT: ISA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B. NON-C, NOI
TITLE OF INVENTION: REAGENTS AND METHODS FOR
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER: 55
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STREET: 100 ABBOTT PARK ROAD CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Application US/08424550B
o. US20020119447A1
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SHERI L. BUIJK
ISA K. MUSHAHWAR
         Conservative
                                                                                                                            protein
                             56.7%;
85.7%;
                                                                                                                                                                                                                                                                                                                                        33,207
3ER: 5527.PC.01
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US-10-480-954-151
US-10-480-954-155
US-10-480-954-155
US-10-480-954-155
US-10-480-954-167
US-10-084-813-1011
US-10-084-813-1013
US-10-084-813-1013
US-10-084-813-103
US-10-117-937-545
US-10-802-773-29
US-10-802-773-21
US-10-802-773-21
US-10-802-773-25
US-10-802-773-25
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US-10-802-773-25
US-10-802-773-25
US-10-802-773-25
US-10-802-773-25
US-10-802-773-25
US-10-657-022-557
    Score 34; DB 8; Length 8; Pred. No. 1.6e+06; O; Mismatches 1; Indels
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151, App
153, App
155, App
157, App
206, App
1011, Ap
1011, Ap
1013, Ap
1013, Ap
1013, Ap
1014, App
1013, App
1013, App
1014, App
1015, App
1016, App
1017, App
1018, App
1019, A
         0
APPLICANT: Lane, David
APPLICANT: Bottger, Volker
APPLICANT: Bottger, Angelica
APPLICANT: Bottger, Angelica
APPLICANT: Picksley, Stephen
APPLICANT: Chene, Patrick
APPLICANT: Chene, Patrick
APPLICANT: Hochkeppel, Heinz-Kurt
APPLICANT: Garcia-Echeverria, Carlos
APPLICANT: Furet, Pascal
TITLE OF INVENTION: Inhibitors of the Intera
FILE REFERENCE: 4-2033/A/PCT
CURRENT APPLICATION NUMBER: US/09/214,371B
CURRENT APPLICATION NUMBER: DE/726
PRIOR APPLICATION UNBER: DE/726
PRIOR APPLICATION UNBER: DE/726
PRIOR FILING DATE: 1997-07-04
NUMBER OF SEQ ID NOS: 83
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 36
LENGTH: 10
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OTHER INFORMATION: Description of Artificial Sequence:peptide
NAME/KEY: VARIANT
LOCATION: (1)
OTHER INFORMATION: X = Ac-Cys(Acrd)
NAME/KEY: VARIANT
LOCATION: (10)
LOCATION: (10)
OTHER INFORMATION: X = Pro-NH2
US-09-214-371-35
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Best Local Similarity
Watches 5; Conserve
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US-09-214-371-35
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APPLICANT: Lane, Da
APPLICANT: Bottger,
APPLICANT: Bottger,
APPLICANT: Pickeley,
APPLICANT: Chene, P
APPLICANT: Hochkepp
                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 36, Application US/09214371B Patent No. US20010018511A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 4-20937/A/PCT
CURRENT APPLICATION NUMBER: US/09/214,371B
CURRENT FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: PCT/EP97/03549
PRIOR FILING DATE: 1997-07-04
NUMBER OF SEQ ID NOS: 83
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APPLICANT:
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TYPE: PRT
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Bottger, Angelica
Picksley, Stephen
Chene, Patrick
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Garcia-Echeverria, Carlos
Furet, Pascal
FURNTION: Inhibitors of the Interaction of P53 and MDM2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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Pred. No. 1.9e+02;
1; Mismatches 2
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RESULT 5
US-10-927-262A-36
; Sequence 36; Application US/10927262A
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; LOCATION: (1)
; OTHER INFORMATION: Cys(Acrd)
US-10-927-262A-35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 85
SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 35, Application US/10927262A Publication No. US20050137137A1
                                                                                                                                                                              Matches
                                                                                                                                                                                                                 Query Match
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Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: INHIBITORS OF THE INTERACTION BETWEEN P53 AND MDM2
FILE REFERENCE: 39749.0002 APC CON
CURRENT APPLICATION NUMBER: U$/10/927,262A
CURRENT FILING DATE: 2004-08-25
PRIOR APPLICATION NUMBER: 09/214,371
PRIOR TILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: PC7/EP97/03549
PRIOR FILING DATE: 1997-07-04
PRIOR APPLICATION NUMBER: GB 9614197.3
PRIOR APPLICATION NUMBER: GB 9707041.1
PRIOR PILING DATE: 1997-07-05
PRIOR PILING DATE: 1997-04-07
PRIOR FILING DATE: 1997-04-07
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                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: Peptide
                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME/KEY: VARIANT
LOCATION: (10)
OTHER INFORMATION: x = Pro-NH2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence:peptide NAME/KEY: VARIANT LOCATION: (1)
OTHER INFORMATION: X = Ac-Cys
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                            Local Similarity hes 5; Conserv
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BOTTGER, ANGELIKA
PICKSLEY, STEVEN M.
HOCHKEPPEL, HEINZ-KURT
GARCIA-ECHEVERRIA, CARLOS
                                                                                                                                        GSFFSELW 9
                                                                                                 GPTFSDLW 9
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FURET, PASCAL
                                                                                                                                                                              Conservative
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                                                                                                                                                                                            50.0%;
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    Mismatches

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                                                                                                                                                                          Score 30; DB 18; I
Pred. No. 1.9e+02;
1. Mismatches 2;
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Pred. No. 1.9e+02;
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; ORGANISM: Oryctolagus cuniculus US-10-858-271-10
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US-10-858-271-10
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Best Local Similarity
Thes 5; Conserve
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                                                                                                                                                                                                      SEQ ID NO 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION
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SOFTWARE: PatentIn Ver. 1
SEQ ID NO 36
                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 10, Application US/10858271 Publication No. US20040259829A1
48.3%; Score 29; DB 16; Length 7; Best Local Similarity 57.1%; Pred. No. 1.6e+06; Matches 4; Conservative 3: Miamatric
                                                                                                                                                                                                                APPLICANT: Danks, Mary K.
APPLICANT: Danks, Mary K.
APPLICANT: Houghton, Peter J.
APPLICANT: Houghton, Peter J.
APPLICANT: Houghton, Compositions and Methods for Sensitizing and Inhibiting Growth of TITLS OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of TITLS OF INVENTION: Tumor Cells
FILE REFERENCE: SU-1005
CURRENT APPLICATION NUMBER: US/10/858,271
CURRENT FILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US/99/55,682
PRIOR APPLICATION NUMBER: 60/075,258
PRIOR FILING DATE: 1998-02-19
PRIOR FILING DATE: 1998-02-19
PRIOR FILING DATE: 1998-02-12
NUMBER OF SEQ ID NOS: 30
SOFTMARE: Patentin Ver. 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION: INHIBITORS OF THE INTERACTION BETWEEN P53 AND MDM2 FILE REFERENCE: 39749.0002 APC CON CURRENT APPLICATION NUMBER: US/10/927,262A

CURRENT FILING DATE: 2004-08-25

PRIOR APPLICATION NUMBER: 09/214,371

PRIOR FILING DATE: 1999-03-26

PRIOR FILING DATE: 1999-03-26

PRIOR PILING DATE: 1997-07-04

PRIOR FILING DATE: 1997-07-04

PRIOR PILING DATE: 1997-07-05

PRIOR PILING DATE: 1997-07-05

PRIOR PILING DATE: 1997-07-05

PRIOR PILING DATE: 1997-04-07

PRIOR PILING DATE: 1997-04-07
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TYPE: PRT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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: BOTTGER, VOLKER
: BOTTGER, ANGELIKA
: PICKSLEY, STEVEN M.
: HOCHKEPPEL, HEINZ-KURT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GARCIA-ECHEVERRIA, CARLOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PATRICK
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Pred. No. 1.
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1.9e+02;
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            Gaps
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SFFSELW

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LENGTH: 9
TYPE: PRT
ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: HsdS subunit
US-09-486-734A-35
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                                                                                                                                                   NUMBER OF SEQ ID NOS: 40
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 35
                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Chopin, Marie-Christine
APPLICANT: Clier, Florence
APPLICANT: Erlich, S. Dusko
APPLICANT: Gautter, Michel
APPLICANT: Schouler, Catherine
APPLICANT: Institut National de la Recherche Agronomique
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 35, Application US/09486734A Patent No. US20020164732A1
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CURRENT FILING DATE: 2003-09-09
PRIOR APPLICATION NUMBER: US/09/620,091
PRIOR FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 491
SOFTWARE: PATENTIN Ver. 2.1
SEQ ID NO 28
SEQ ID NO 28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 28, Application US/108 Publication No. US20050037959A1
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Matches 5; Conserv
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                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Resistance Mechanisms to IC
TITLE OF INVENTION: Bacteriophages of Lactic Ac
FILE REFERENCE: 3339/186048
CURRENT APPLICATION NUMBER: US/09/486,734A
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: PCT/F898/01873
PRIOR FILING DATE: 1998-09-01
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APPLICANT: MERRILL, BARBARA MCEOMEN
APPLICANT: SCHATZ, BARBARA MCEOMEN
TITLE OF INVENTION: COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY
TITLE OF INVENTION: STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED
TITLE OF INVENTION: USES
                                                                                                                                                                                                                               PRIOR APPLICATION NUMBER: FR 97/10885 PRIOR FILING DATE: 1997-09-02
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILE REFERENCE: 0300-0014
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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71.4%;
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Best Local Similarity
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                                                                                                            ; OTHER INFORMATION: variant peptide for third complementarity OTHER INFORMATION: determining region of Fv region of an ; OTHER INFORMATION: immunoglobulin US-10-417-895A-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-417-895A-56
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US-09-881-276-6
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APPLICANT: Wheliham, E. Fayelle
TITLE OF INVENTION: Binding Moiettes for Human Parvovirus B19
FILE REFERENCE: DYX-009.0 US-2
CURRENT APPLICATION NUMBER: US/09/881,276
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: 09/669,271
PRIOR APPLICATION NUMBER: 09/669,271
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR FILING DATE: 1998-11-05
                                    Matches
                                                    Query Match
Best Local &
                                                                                                                                                                                                                                                            SEQ ID NO 56
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Best Local Similarity 62.5%;
Matches 5; Conservative
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Patent No. US20020031761A1
                                                                                                                                                                                                                                                                                             FILE REFERENCE: 1551.2002-001
CURRENT APPLICATION NUMBER: US/10/417,895A
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 60/373,686
PRIOR FILING DATE: 2002-04-17
NUMBER OF SEQ ID NOS: 86
                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Crea, Roberto
APPLICANT: Cappuccilli, Guido
TITLE OF INVENTION: "DOPING" IN WALK-THROUGH MUTAGENESIS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 27
SOFTWARE: Microsoft Word 97
                                                                                                                                                                                                                                                                                SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                    LENGTH: 11
TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                  Similarity 4; Conserv
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                                    Conservative
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                                                      46.7%;
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71.4%;
                                  Score 28; DB
Pred. No. 4.6e
3; Mismatches
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Pred. No. 4.6e+02;
0; Mismatches 2
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Pred. No. 1.6e+06
                                                      DB 15;
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                                      Gaps
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PRIOR APPLICATION NUMBER: 1999-03-26

PRIOR PILING DATE: 1999-03-26

PRIOR FILING DATE: 1997-07-04

NUMBER OF SEQ ID NOS: 83

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 83

LENGTH: 6

TYPE: PRT
                                                                                                                                                                                                                                                                                                  Sequence 4, Application US/09732384
Patcent NO. US20020132977A1
PATCHING NO. US20020132977A1
PAPPLICANT: Yuan, Zhi-Min
APPLICANT: Gu, JiJie
PIILE REFERENCE: 21508-044
CURRENT APPLICATION NUMBER: US/09/732,384
CURRENT FILING DATE: 2000-12-07
PRIOR APPLICATION NUMBER: 60/169,816
PRIOR FILING DATE: 1999-12-08
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 12
US-09-732-384-4
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                                                     Matches
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SEQ ID NO 4
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Best Local (
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Patent No. US20010018511A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: Inhibitors of the Interaction of P53 and MDM2 FILE REFERENCE: 4-20937/A/FCI CURRENT APPLICATION NUMBER: US/09/214,371B
CURRENT FILING DATE: 1999-03-26
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                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Protein
OTHER INFORMATION: fragment not in inhibitory p53 polypeptide
                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 10
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE: OTHER INFORMATION: Description of Artificial Sequence:peptide, amin OTHER INFORMATION: acid residues 18-23 of human p53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT:
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                                                                                                                                                                                                                                    LENGTH:
                                                  Local Similarity
nes 4; Conserv
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||:|| 9
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Bottger, Angelica
Picksley, Stephen
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Garcia-Echeverria, Carlos
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                                                     Conservative
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80.0%;
                                                                    45.0%;
                                                    Score 27; DB 9; Lo
Pred. No. 1.6e+06;
1; Mismatches 0;
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Pred. No. 1.6e+06;
                                                                                     Length 6;
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                                                     Indels
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GENERAL INFORMATION:
APPLICANT: FEIGE, ULRICH
APPLICANT: LIU, CHUAN-FA
APPLICANT: CHESTHAM, JANET
APPLICANT: BOONE, THOMAS C
                                                                                                                                                                                         RESULT 14
US-10-609-217-130
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US-10-155-059-1
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Sequence 1, Application US/10155059
Publication No. US20020147173A1
GENERAL INFORMATION:
APPLICANT: Kaelin, William
Jost, Christine
                                                                                                                                               Sequence 130, Appublication No.
                                                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
            APPLICANT: CHESTHAM, JANET C.
APPLICANT: BOONE, THOMAS CHARLES
TITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
FILE REFERENCE: A-527
CURRENT APPLICATION NUMBER: US/10/609,217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows

SOFTWARE: FASESEQ for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/155,059

FILING DATE: 24-May-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Bisenstein, Ronald I
REGISTRATION NUMBER: 30,628
REFERENCE/DOCKET NUMBER: 47400
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-345-6054
TELEFAX: 617-345-1300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION: «Unknown»
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/081,975
FILING DATE: 12-MAY-1998
APPLICATION NUMBER: 60/046,207
FILING DATE: 12-MAY-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                             SEQUENCE DESCRIPTION: SEQ ID NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon Peabody LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: METHODS OF TREATMENT USING
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                                                                                                                                                                                                                                                                    FSELW 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: amino acid
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COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 6 amino acide
                                                                                                                                                   Application US/10609217
o. US20040044188A1
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80.0%;
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ANTIBODIES
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Pred. No. 1.6e+06;
1; Mismatches 0
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Sequence 130, Application US/10632388

Publication No. US20040053845A1

GENERAL INFORMATION:
APPLICANT: EFIGE, ULRICH
APPLICANT: LIU, CHUAN-FA
APPLICANT: CHESTHAM, JANET C.
APPLICANT: CHESTHAM, JANET C.
APPLICANT: COONE, THOMAS CHARLES
IITLE OF INVENTION: MODIFIED PEPTIDES AS THERAPEUTIC AGENTS
FILE REFERENCE: A-527
CURRENT APPLICATION NUMBER: US/10/632,388
CURRENT FILING DATE: 2003-07-31
PRIOR APPLICATION NUMBER: US/09/428,082B
PRIOR FILING DATE: 1999-10-22
PRIOR APPLICATION NUMBER: 60/105,371
PRIOR APPLICATION NUMBER: 60/105,371
PRIOR APPLICATION NUMBER: 60/105,371
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 1133
SOFTWARE: Patentin version 3.1
IENCITH: 60
IENC
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PRIOR APPLICATION NUMBER: US/09/428,082B
PRIOR FILING DATE: 1999-10-22
PRIOR APPLICATION NUMBER: 60/105,371
PRIOR FILING DATE: 1998-10-23
NUMBER OF SEQ ID NOS: 1133
SOFTWARE: Patentin version 3.1
SEQ ID NO 130
LENGTH: 6
LENGTH: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: MDM/HDM ANTAGONIST PEPTIDE
US-10-632-388-130
Search completed: August 3, 2005, 18:54:35 Job time : 162 secs
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US-10-632-388-130
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ORGANISM: Artificial Sequence
; PEATURE:
; OTHER INFORMATION: MDM/HDM ANTAGONIST PEPTIDE
US-10-609-217-130
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Best Local Similarity
Matches 4; Conserv
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Best Local Similarity 80.0%;
Matches 4; Conservative
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2 FSDLW 6
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Pred. No. 1.6e+06;
1; Mismatches 0
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44 8 10 41 8 9 37 3 12 35 8 9 32 9 9 10 29 9 9 10 29 9 9 10 29 9 10 28 4 5 28 4 6 28 4 6 28 4 7 28 4 11 28 4 11 28 6 9 10 28 6 9 11 28 7 28 7 28 8 9 10 28 9	io. is the number of requal greater than or equal derived by analysis of the control of the cont	Maximum Match Listing first PIR 79:* 1: pir1:* 2: pir2:* 3: pir3:* 4: pir4:*	, 0 1	BLOSUM62 Gapop 10.0 , 283416 seqs,	US-10-088-681- 67 1 EYGSFFSELWTS	Copyright protein search, August 3, 2
	BB Bigger		, "	Gapext 962167	1-2 TS 12	GenCo; : (c) 199 1, using 2005, 18
C39191 C336850 PT0274 PH1602 G41946 B34835 T13838 S05002 B61445 A61445 PT0519 A43129 A43129 A60410 P16224 A41117 P160410 S25056 S53789 LFTWWE S33300 S25056 S25056 PT0586 PT0586	esults predicted to the score of t the total score SUMMARIES	100% 1000 summaries	chosen parameters:	Gapext 0.5 96216763 residues		Core versio 1993 - 2005 1998 model 18:50:51 ;
hypothetical prote Ig heavy chain V r Ig heavy chain V r Ig heavy chain V-J r T-cell receptor ga dnaA protein - Americ Leu-enkephalin - Ar Gacetylcholinestera Beta-neoendorphin Ig heavy chain CRD thyroglobulin - ra litorin - Rohde's T-cell receptor ga neuropeptide Pec-H probable trpEG lea chaperonin 10 homo probable substance Ig heavy chain - m gene rPLP-A protei T-cell receptor be leucokinin V - Mad T-cell receptor be neuropeptide Led-C	y chance te result be result be distributi		1582			n 5.1.6 Compugen Ltd. Search time 39 Seconds (without alignments) 29.605 Million cell updates/sec
744 754 775 776 777 777 777 777 777 777 777 777	65 66 68 69 71 71 71	55 55 55 55 55 55 55 55 55 55 55 55 55	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	44444 1007000	442 433	
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hypertrehalosemic hypertrehalosemic hypertrehalosemic hypertrehalosemic hypertrehalosemic hypertrehalosemic hypertrehalosemic neuropeptide M-I hypertrehalosemic receptor all receptor adipokinetic hormored pigment-concence dispokinetic hormored pigment-concence oxida adipokinetic hypertrehalosemic hypertrehalosemic hypertrehalosemic coxida cytochrome-c oxida cytochrome-coxida cytochrome-coxida cytochrome-coxida cytochrome-coxida cytochro

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R;Yamada, M.; Wasserman, R.; Reichard, B.A.; Shane, S.; Caton, A.J.; Rovera, G.
J. Exp. Med. 173, 395-407, 1991
A;Title: Preferential utilization of specific immunoglobulin heavy chain diversity and A;Reference number: PT0222; MUID:91108337; PMID:1899102
A;Accession: PT0274
A;Molecule type: DNA
A;Residues: 1-12 < YAM>
A;Experimental source: B lymphocyte
C;Keywords: heterotetramer; immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ig heavy chain V region - mouse (C;Species: Mus musculus (house mouse) (C;Species: Mus musculus (house mouse) (C;Date: 06-Jan-1994 #sequence_revision 01-Dec-1995 #text_change 05-Nov-1999 (C;Datesion: S36850 R;Jacob, J.; Kelsoe, G. submitted to the EMBL Data Library, July 1992 A;Description: In situ studies on the primary immune response to (4-hydroxy-A;Reference number: S25024 A;Accession: S36850
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C;Date: 08-Nov-1991 #sequence_revision 08-Nov-1991 #text
C;Accession: C39191
R;Speer, B.S.; Bedzyk, L.; Salyers, A.A.
J. Bacteriol. 173, 176-183, 1991
A;Title: Evidence that a novel tetracycline resistance of the compared with conceptual transpared with conceptual transpared preliminary; not compared with conceptual transpared preliminary; not compared with conceptual transpared with concept
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https://documents.com/c39191

C;Species: Bacteroides fragilis

C;Species: Bacteroides fragilis

C;Date: 08-Nov-1991 #sequence_revision 08-Nov-1991 #text_change 30-Sep-1993
                                                                                                                                                                                                                                                                                                                                                                                                              C;Species: Homo sapiens (man)
C;Date: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 16-Aug-1996
C;Accession: PT0274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: בתסטומיים, C;Keywords: heterotetramer; immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Molecule type: nucleic acid
A; Residues: 1-9 < JAC>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          heavy chain CRD3 region (clone 3-109B) - human (fragment)
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62.5%;
                                57.1%;
                                                                 37.3%;
Score 25; DB 2;
Pred. No. 2.9e+02;
1; Mismatches 2
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Pred. No.
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Pred. No. 2.
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T-cell receptor gamma C. T. C. C. Species: Mus musculus (house mouse)
C;Bate: 03-Feb-1994 #sequence_revision 03-Feb-1994 #text_change 07-May-1999
C;Bate: 03-Feb-1994 #sequence]
C;Bate: 03-Feb-1994 #sequence 03-Feb-1994 #text_change 07-May-1999
C;Bate: 03-Feb-1994 #sequence]
C;Bate: 03-Feb-1994 #sequence 07-May-1999
C;Bate: 03-Feb-1994 #text_change 07-May-1999
Add of the following 07-May-1999
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J. Exp. Med. 178, 317-329, 1993
A;Title: Molecular characterization of transgene-induced immunodeficiency in B-less mice A;Reference number: PH1580; MUID:93301609; PMID:8315387
A;Accession: PH1602
A;Molecule type: DNA
A;Residues: 1-6 <YEE>
A;Cross-references: GI
C;Keywords: DNA bindi
                                                                                                                                                                                                                                                                                                                                                                             dnaA protein - Pseudomonas aeruginosa (fragment) C;Species: Pseudomonas aeruginosa C;Date: 13-Jul-1990 #sequence_revision 13-Jul-19 C;Accession: B34835
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C;Species: Mus musculus (house mouse)
C;Date: 02-Jun-1994 #sequence_revision 02-Jun-1994 #text_change 17-Mar-1999
C;Accession: PH1602
                                                                                                                                                                                      A; Reference number: A34835; A; Accession: B34835
                                                                                                                                                                                                                                                                                                         R;Yee, T.W.; Smith, D.W. Proc. Natl. Acad. Sci. U.S.A. 87, 1278-1282, 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Reference number: A41946; MUID:92049316; A;Accession: G41946
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A; Residues: 1-7 < LEV>
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                                                                                                                                                                                                                                                                 A; Title: Pseudomonas chromosomal
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C;Keywords: T-cell receptor
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A; Residues: 1-9 < WHE>
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DNA binding
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                               GB:M30125; NID:g151419; PIDN:AAA25916.1; PID:g151421
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MUID:90160310; PMID:2106132
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Pred. No. 2.8e+05;
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No.
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Leu-enkephalin - blue mussel
C;Species: Mytilus edulis (blue mussel)
C;Date: 07-Oct-1994 #sequence_revision
C;Accession: B61445
R;Leung, M.K.; Stefano, G.B.
Proc. Natl. Acad. Sci. U.S.A. 81, 955-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cytochrome-c oxidase (EC 1.9.3.1) chain I - Bipes biporus mitochondrion (fragment) C;Species: mitochondrion Bipes biporus C;Species: mitochondrion Bipes biporus C;Date: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 09-Jul-2004 C;Accession: T13838
C;Accession: T13838
R;Maccey, J.R.; Larson, A.; Ananjeva, N.B.; Fang, Z.; Papenfuss, T.J.
Mol. Biol. Evol. 14, 91-104, 1997
                                                                                                                                                                                                                                                                                                                                      A;Cross-references: UNIPROT:P11496
C;Keywords: amidated carboxyl end; neuropeptide; pyroglutamic acid
F;11/Modified site: pyrrolidone carboxylic acid (Cln) #status experimental
F;11/Modified site: amidated carboxyl end (Asn) #status experimental
                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Title: Isolation and structure of corazonin, a cardioactive A;Reference number: S05002; MUID:89325572; PMID:2753132 A;Accession: S05002
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FEBS Lett. 250, 231-234, 1989
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C;Species: Periplaneta americana (American cockroach)
C;Datc: 07-Sep-1990 #sequence_revision 09-Apr-1998 #text_change 09-Jul-2004
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A;Status: preliminary; translated
A;Molecule type: DNA
A;Residues: 1-10 <MAC>
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A;Reference number: Z17789; MUID:97153826; PMID:9000757
                                                                                                                  B61445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              C; Accession: S05002
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Best Local S
Matches 4
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Best Local S
Matches 3
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Pred. No. 2e+03;
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       955-958, 1984
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neuropeptide GNFFRFamide - tapeworm (Moniezia expansa)
C;Species: Moniezia expansa
C;Date: 10-Nov-1997 #sequence_revision 14-Nov-1997 #text_change 09-Jul-2004
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RESULT 10
A61445
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R;Leung, M.K.; Stefano, G.B.
Proc. Natl. Acad. Sci. U.S.A. 81, 955-958, 1984
A;Title: Isolation and identification of enkephalins in A;Reference number: A61445; MUID:84144823; PMID:6583690
A;Accession: A61445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Title: Isolation and identification of enkephalins in pedal ganglia of Mytilus edulis A;Reference number: A61445; MUID:84144823; PMID:6583690
A;Accession: B61445
A;Molecule type: protein
A;Residues: 1-5 <LEU>
A;Experimental source: pedal ganglia
C;Keywords: neuropeptide; opioid peptide
                                                                                                  A;Molecule type: mRNA
A;Residues: 1-6 <FBE>
A;Experimental source: adult thymus, strain BALB/c
C;Keywords: T-cell receptor
                                                                                                                                                                                  R; Feeney, A.J.
J. Exp. Med. 174, 115-124, 1991
A; Title: Junctional sequences of fetal T cell receptor beta A; Reference number: PT0509; MUID:91277601; PMID:1711558
A; Accession: PT0519
                                                                                                                                                                                                                                                                                       T-cell receptor beta chain V-D-J region (100-4C) - C;Species: Mus musculus (house mouse) C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992
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C;Species: Mytilus edulis (blue mussel)
C;Date: 07-Oct-1994 #sequence_revision 07-Oct-1994 #text_change 21-Jan-2000
                                                                                                                                                                        A; Status: translation not shown
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Met-enkephalin-Arg-Phe - rabbit
C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Species: Oryctolagus cuniculus (domestic rabbit)
C;Date: 21-Oct-1992 #sequence_revision 21-Oct-1992 #text_change 02-Sep-2000
C;Accession: A60224
R;Madden IV, J; Evans, C.J.; Tyler, A.N.; Esch, F.S.; Boehlen, P.; Makk, G.; Webe
J. Neurochem. 56, 1914-1920, 1991
A;Title: Isolation and characterization of opioid peptides from rabbit cerebellum.
A;Reference number: A60224; MUID:91225680; PMID:2027006
A;Accession: A60224
A;Status: preliminary
A;Molecule type: protein
A;Residues: 1-7 <AMD>
C;Keywords: neuropeptide; opioid peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Accession: A43129
R, Maule, A.; Shaw, C.; Halton, D.; Thim, L.
Biochem. Biophys. Res. Commun. 193, 1054-1060, 1993
A;Title: GNFFRFamide: A novel FMRFamide-immunoreactive peptide isolated from the sheep A;Reference number: A43129; MUID:93312289; PMID:8323531
A;Accession: A43129
A;Molecule type: protein
A;Residues: 1-6 <MAU
A;Residues: 1-6 <MAU
A;Residues: amidated carboxyl end; neuropeptide
C;Keywords: amidated carboxyl end; peuropeptide
F;6/Modified site: amidated carboxyl end (Phe) #status predicted
                                                                                                                                                                                                                                                                                                     acetylcholinesterase (EC 3.1.1.7), venom - Asian cobra (fragment)
C;Species: Naja naja oxiana (Asian cobra, Oxus cobra)
C;Date: 27-Mar-1992 #sequence_revision 27-Mar-1992 #text_change 09-Jul-2004
C;Accession: A41117
R;Kreienkamp, H.J.; Weise, C.; Raba, R.; Aaviksaar, A.; Hucho, F.
Proc. Natl. Acad. Sci. U.S.A. 88, 6117-6121, 1991
A;Title: Anionic subsites of the catalytic center of acetylcholinesterase from Torpedo A;Reference number: A41117; MUID:91296772; PMID:2068091
A;Accession: A41117
                                                                                                                                                                 A;Cross-reterences: unirnu.....C;Keywords: carboxylic ester hydrolase
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beta-neoendorphin / dynorphin precursor - guinea pig
N;Alternate names: alpha-neoendorphin; proenkephalin B precursor
C;Species: Cavia porcellus (guinea pig)
C;Date: 03-Feb-1993 #sequence_revision 03-Feb-1993 #text_change 21-Jan-2000
C;Accession: A60410
R;Murphy, R; Turner, C.A.
Peptides 11, 65-68, 1990
A;Title: Isolation and microsequence analysis of guinea pig alpha-neo-endorphin.
A;Reference number: A60410; MUID:90259864; PMID:2342991
A;Accession: A60410
                                                                                                                                                                  C;Superfamily: proenkephalin
C;Keywords: neuropeptide; opioid
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ALIGNMENTS

pseudobias prionops sc prionops re platysteira oriolus xan

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01-NOV-1998 (TrEMBLrel. 08, Created)
01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
01-NOV-1998 (TrEMBLrel. 19, Last annotation update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
MHC class II B locus 12 (Fragment).
Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              O77895;
O1-NOV-1998 (TrEMBLrel. 08, Created)
O1-NOV-1998 (TrEMBLrel. 08, Last sequence update)
O1-NOV-1998 (TrEMBLrel. 08, Last sequence update)
O1-DEC-2001 (TrEMBLrel. 19, Last annotation update)
MHC class II B locus 12 (Fragment).
Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii; Teleostei, Euteleostei, Neoteleostei, Acanthomorpha, Acanthopterygii, Percomorpha, Perciformes, Labroidei,
                                                                                                                                                                                                                              NON TER
                                                                                                                                                                                                                                                                                                   MEDLINE=98315113; PubMed=9649539; Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew B., Figueroa F., Sultmann H., Klein J.; Figueroa F., Sultmann H., Klein J.; "Linkage relationships and haplotype polymorphism amor class II B loci."; Genetics 19:1527-1537(1998).
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Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew
Figueroa F., Sultmann H., Klein J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Cichlidae; Oreochromis.
NCBI_TaxID=8128;
                                                                                                                                                                                                        SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=8128;
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Pred. No. 2.7e+03;
1; Mismatches 1;
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2; Mismatches
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Pred. No. 2.7e+03;
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  095953
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Q9TRT7;
01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2002 (TrEMBLrel. 21, Last annotation updat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     protein is: 65 kDa.
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01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Unknown protein from 2D-page (Fragment).
Lactobacillus sanfranciscensis (Lactobacillus sanfrancisco).
Bacteria, Firmicutes, Lactobacillales, Lactobacillus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DOI=10.1002/1615-9861(200206)2:6<765::AID-PROT765>3.0.CO;2-V;
Drews O., Weiss W., Reil G., Parlar H., Wait R., Goerg A.;
"High pressure effects steep-wise altered protein expression in
Lactobacillus sanfranciscensis.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE, AND INDUCTION.
STRAIN=DSM 20451;
PubMed=12112860;
                                                                                                                                                                                                                                                                                                                                                                                                           PAmino acid sequence analyses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Cetartiodactyla; Ruminantia; Pecora; Bovidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=92132498; PubMed=1734497;
Veiby O.P., Sletten K., Husby G.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=9913;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bovinae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bos taurus
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4; Conserv
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Immunol. 35:63-69(1992).
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                                                                                                                                                                                                                                                                                                 12 AA;
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                                                                                                                                                                                                       Conservative
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PRELIMINARY;
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                                                                                                                                                                                                                                                                                                                                                                                                      G., Nordstoga K.;
of non-AA proteins from amyloid fibrils
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Submitted (NOV-1996) to tl
EMBL; U77631; AAD15626.1;
GO; GO:0004336; F:galactos
GO; GO:0016798; F:hydrolas
GO; GO:0005975; F:carbohy
Glycosidase; Hydrolase.
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01-MAY-1999
01-MAY-1999
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MEDLINE=96421599; PubMed=8824247; DOI=10.1074/jbc.271.42.26062;

Thomas C.P., Doggett N.A., Fisher R., Stokes J.B.;

Thomas C.P., Doggett n.A. Fisher R., Stokes J.B.;

"Genomic organization and the 5' flanking region of the gamma s

"Genomic organization and the 5' flanking region of the gamma s

of the human amiloride-sensitive epithelial sodium channel.";

J. Biol. Chem. 271:26062-26066(1996).
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Q6LA62;
                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=98316780; PubMed=9654208;
Ludwig M., Bolkenius U., Wickert L.,
"Structural organization of the gene
human amiloride-sensitive epithelial
Hum. Genet. 102:576-581(1998).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens (Human).
Eukaryota; Metazoa; C
Mammalia; Eutheria; P
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05-JUL-2004 (TrEMBLrel.
05-JUL-2004 (TrEMBLrel.
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Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                            EMBL;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=SCNN1G;
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                                                                                                                                                                                                                                                                                                                                  GO:0005216; F:ion channel
                                                                                                                                                                                                                                                                                                          channel.
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10 AA;
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(TTEMBLrel. 10, Last sequence update)
(TTEMBLRel. 24, Last annotation update)
brosidase (EC 3.2.1.46) (Fragment).
                                                                               Conservative
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                                                                                                                                                                                                              1157 MW;
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Primates;
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Primates;
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rel. 27, Last sequence update)
rel. 27, Last annotation update)
epithelial sodium channel gamma
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the EMBL/GenBank/DDBJ databases
                                                                           <u>,,</u>
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                                                                           Score 20; DB 2;
Pred. No. 1.2e+04;
0; Mismatches 3
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2; Mismatches
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Pred. No. 1.6e+06;
                                                                                                                                                                                                          DBAFF833733B05A2
                                                                                                                                                                                                                                                                                                                                         activity;
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sodium channel.";
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Best Local :
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01-OCT-1989
01-FEB-1994
                                                                                                                                                                                                                                                                               Periplaneta americana (American cockroach).
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta;
Neoptera; Orthopteroidea; Dictyoptera; Blattaria; I
Blattidae; Periplaneta.
NCBI_TaxID=6978;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIINE=97153820; PubMed=9000751;
Macey J.R., Larson A., Ananjeva N.B., Papenfuss
"Replication slippage may cause parallel evoluti
structures of mitochondrial transfer RNAs.";
Mol. Biol. Evol. 14:30-39(1997).
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01-MAY-1997 (TrEMBLrel. 03, Created)
01-MAY-1997 (TrEMBLrel. 03, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Cytochrome c oxidase subunit I (Fragment).
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CORZ_PERAM
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MEDLINE=97153826; PubMed=9000757;

MACRY J.R., LATSON A., Ananjeva N.B., Fang Z., Papenfuss T.J.;

"Two novel gene orders and the role of light-strand replication
                                                                                                                                                                                                                                          SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                Corazonin
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NON_TER 10
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NCBI_TaxID=52188;
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Lepidosauria; Squamata; Scleroglossa; Amphisbaenia; Bipedidae; Bipes.
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                                                                                                                                                     "Isolation and structure
                                                                                                                                                                            Veenstra J.A.;
                                                                                                                                                                                                 MEDLINE=89325572; PubMed=2753132; DOI=10.1016/0014-5793(89)80727-6;
                                                                                                                                                                                                                      TISSUE=Corpora
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GC:005739; C:mitochondrion;
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(Rel. 28, Last sequence up)
(Rel. 44, Last annotation)
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01-NOV-1998 (TrEMBLrel. 08, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
MHC class II B locus 12 (Fragment).
Oreochromis niloticus (Nile tilapia) (Tilapia nilotica).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii, Neopterygii, Teleostei, Euteleostei, Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroide:
Cichlidae; Oreochromis.
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01.NOV-1998 (TrEMBLrel. 08, Created)
01.NOV-1998 (TrEMBLrel. 08, Last sequence update)
01.DEC-2001 (TrEMBLrel. 19, Last annotation update)
MIC class II B locus 12 (Fragment).
Oreochromis miloticus (Nile tilagia) (Tilapia nilotica).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes; Labroide;
Cichlidae; Oreochromis
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                                                    "Linkage relationships and haplotype class II B loci.";
Genetics 149:1527-1537(1998).
                                                                                                                                                    SEQUENCE FROM N.A.

MEDLINE=98315113; PubMed=9649539;

Malaga-Trillo E., Zaleska-Rutczynska Z., McAndrew

Figueroa F., Sultmann H., Klein J.;
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Malaga-Trillo E., Zaleska-Rutczynska Z.,
Figueroa F., Sultmann H., Klein J.;
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RESULT 12
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GN Name=
OS Macro
OC Eukar
OC Mamma
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RN 55QUI
RX 10ebe
RT Walli
RA 10ebe
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046664;
01-JUN-1998 (TrEMBLrel. 06, Created)
01-JUN-1998 (TrEMBLrel. 06, Last sequence update)
01-JUN-1998 (TrEMBLrel. 19, Last annotation update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
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Mammalia; Metatheria;
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25-OCT-2004 (TrEMBLrel. 28,
25-OCT-2004 (TrEMBLrel. 28,
25-OCT-2004 (TrEMBLrel. 28,
                                                                                                                                                                                                    Macropus robustus robustus.
Eukaryota; Metazoa; Chordata;
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Submitted (SEP-2002)
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NCBI_TaxID=71186;
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                                               SEQUENCE
                                                                                   EMBL;
                                                                                              wallaroo (Macropus robustus)
Mamm. Genome 8:146-147(1997).
                                                                                                                    Loebel D.A., Johnston P.G.; "Analysis of the intron-exon
                                                                                                                                            MEDLINE=97224585; PubMed=9060417;
                                                                                                                                                                             NCBI_TaxID=35580;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE
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"A mixture of begomoviruses in severe leaf curl-affected tomatoes
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Diprotodontia; Macropodidae; Macropus
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Last annotation update)
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Pred. No. 1.3e:
3; Mismatches
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Pred. No. 1.5e
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01-NOV-1995 (Rel. 32, Created)

01-NOV-1995 (Rel. 32, Last sequence update)

05-JUL-2004 (Rel. 44, Last annotation update)

FMRFamide-like neuropeptide GNFFRF-amide.

Moniezia expansa (Sheep tapeworm)

Eukaryota; Metazoa; Platyhelminthes; Cestoda; EuCyclophyllidea; Anoplocephalidae; Moniezia.

NCBL TaxID=28841;
                                                                                 PIR; A43129; A43129.

Amidation; Direct protein sequencing; Neuropeptide.

Amod RES 6 6 Phenylalanine amide.

MOD RES 6 6 8 Phenylalanine amide.

SEROWENCE 6 AA; 787 MW; 69D409C9C4481000 CRC64;
                                                                                                                                                                                                                                                                                SEQUENCE.

MEDLINE-9312289; PubMed-8323531;

MEDLINE-9312289; PubMed-8323531;

MAULE A.G., Shaw C., Halton D.W., Thim L.;

MAULE A.G., Shaw C., Halton D.W., Thim L.;

"GNFFRFamide: a novel FMRFamide-immunoreactive peptide the sheep tapeworm, Moniezia expansa.";

Biochem. Biophys. Res. Commun. 193:1054-1060(1993).

-!- SUBCELLULAR LOCATION: Secreted.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nakazawa K., Ando T., Kimura T., Narimatsu H.; "Cloning and sequencing of a full-length cDNA of mouse acetylglucosamine (beta 1-4)galactosyltransferase."; J. Biochem. 104:165-168(1988).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
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01-MAY-1999 (TYEMBLrel. 10, Last sequence update)
01-JUN-2003 (TYEMBLrel. 24, Last annotation update)
N-acetylglucosamine betal-4 galactosyl transferase
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h 28.4%;
Similarity 75.0%;
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Pred. No.
     Score 19; DB 1; Length 6; Pred. No. 1.6e+06; Indels 1; Mismatches 0; Indels
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OC Mamma
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RA MASE
RT GENO
RT CNA
RL MAMM.
DR EMBL;
DR MCDI
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01-JUN-2001
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MEDLINE=2123131; PubMed=11331948;
Maas S., Kim Y.G., Rich A.;
"Genomic clustering of tRNA-specific adenosine deaminase ADAT1
"Genomic clustering of tRNA-specific adenosine deaminase ADAT1
tRNA synthetases.";
                                                                                                                                                                                                                                                                                                           Adeno-
Name=Adatl;
Mus musculus (Mouse)
Mus musculus (Mouse)
Metazoa; Chordata;
Metazoa; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                Q99MNO;
                                                                                                                                                                                                                                                                                                                                                                          01-UTN-2001 (TrEMBLrel. 17, Created)
01-UTN-2001 (TrEMBLrel. 17, Last sequence update)
01-DEC-2001 (TrEMBLrel. 19, Last annotation update)
Adenosine deaminase tRNA-specific 1 (Fragment).
                                                                                                                                                 SEQÜENCE
                                                                                                                                                                                       Mamm. Genome 12:387-393 (2001).
EMBL; AF328904; AAK19310.1; -.
                                                                                                                                                            MGD; MGI:1353631; Adat1.
                                                                                                                                                                                                                                                                                  SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                          NCBI_TaxID=10090;
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2; Conserv
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                                                                  LWTS 12
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                                                                                                                                                8 AA;
                                                                                            Conservative
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                                                                                                                                                936 MW;
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50.0%;
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                                                                                        Score 19; DB 2;
Pred. No. 1.6e+06;
2; Mismatches 0
 18:57:22
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                                                                                                                     Length 8;
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                                                                                           Gaps
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Search completed: August 3, 2005, 18:57:22 Job time: 166 secs

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1 55 82.1 12 4 AAB86005 Aab86005 DAAB86005 DAAB86005 DAAB87294 S0.7 6 4 AAB97294 Be Aab87294 De Aab872	Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being priand is derived by analysis of the total score distribution. SUMMARIES Result Query No. Score Match Length DB ID Description	Maximum Match 1 Listing first 1 A.Geneseq_16Dec 1: geneseqp1980 2: geneseqp2000 3: geneseqp2001 3: geneseqp2001 5: geneseqp2001 5: geneseqp2001 5: geneseqp2003 7: geneseqp2003 7: geneseqp2003	Scoring table: BLOSUM62 Gapop 10.0 , Gapext 0.5 Searched: 2105692 segs, 386760381 residues Total number of hits satisfying chosen parameters: 520583 Minimum DB seg length: 0 Maximum DB seg length: 12 Post-processing: Minimum Match 0%	GenCore version 5.1.6 Copyright (c) 1993 - 2005 Compugen Ltd. OM protein - protein search, using sw model Run on: August 3, 2005, 18:42:40; Search time 159 Seconds (without alignments) Title: US-10-088-681-2 Perfect score: 67 Sequence: 1 EYGSFFSELWTS 12
DCM-assoc DCM-assoc DCM-assoc Petal-adr PC 27 40 Dilated C 75 27 40 Dilated C 76 27 40 Disease-a 77 27 40 Hepatitis Hepatitis Hepatitis Hepatitis Hepatitis Hepatitis Hepatitis Repara Homan pap Multiple Enhanced Multiple Enhanced Murine LM Murine LM Rabbit ca Rabbit ca Rabbit ca Rabbit ca Rabotyloc Rabotyloc Rhodopsin Human str Staphyloc Androgen Human pap	nted, 65 27 66 27 67 27 71 27 73 27 73 27	0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2277	26 28 41 27 28 41 28 28 41 30 28 41 30 28 41 31 27.5 41 32 27.5 41 33 27 40 34 27 40 35 27 40 39 27 40 39 27 40
1.3 12 2 AAW371.81 1.3 12 2 AAW371.81 1.3 12 2 AAW371.89 1.3 12 2 AAW371.89 1.3 12 3 AAB17076 1.3 12 3 AAB17076 1.3 12 3 AAB17070 1.3 12 5 AAB731.70 1.3 12 5 AAB731.71 1.3 12 5 AAB731.71 1.3 12 5 AAB731.71 1.3 12 7 ADJ7333.7 1.3 12 7 ADJ7333.7 1.3 12 7 ADJ7333.7 1.3 12 8 ADJ52.95 1.3 12 8 ADJ51.93 1	11 11 11 11 11 11 11 11 11 11 11 11 11	10000000000000000000000000000000000000		
Aaw37181 Human p53 Aaw37188 Human onc Aaw37189 Human onc Aaw37189 Human onc Aab17076 Mdm/hdm a Aab17087 Mdm/hdm a Aab17088 Mdm/hdm a Aab17081 Mdm/hdm a Aab173170 Mdm/hdm a Aab573113 Mdm/hdm a Ab573113 Mdm/hdm a Ab573113 Mdm/hdm a Ad573132 Mdm/hdm a Adj73132 Mdm/hdm a Adj73133 Mdm/hdm a Adj73335 Mdm/hdm a Adj73335 Mdm/hdm a Adj73335 Mdm/hdm a Adj73335 Mdm/hdm a Adj73325 Hdm/hdm a Adj32971 CH1 delet Adj52970 CH1 delet Adj52971 CH1 delet Adj51931 CH1 delet Adj51932 CH1 delet Adj51931 CH1 delet	Pep Hum Hum Min Min HLA HLA Hum Ant ELA		CH1 de CH1 de CH1 de Antibo p53 bi TRAM-i Human Human Human Human Human	Human pa Human pa Human pa Human pa MCPC 603 Light ch Light ch Light ch MCM/hdm Mdm/hdm Staphylc Staphylc Staphylc

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RESULT 1
AAB86005
ID AAB8
XX AAB8
AC AAB8
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XX DCM
X
AAB97294
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             B cell; toxin; antigen specific; antibody mediated disease; virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This invention describes a novel peptide (P1) which can be used for (1) isolating beta-1 adrenergic activated antibodies bound to (P1) on a solic phase; and (2) a chromatographic apparatus with (P1) bound. The products of the invention have cardiant and immunosuppressive activity. (P1) is used to produce medicine to combat beta 1 adrenergic activated autoantibodies having a causal pathological relationship with dilatative cardiomyopathy. This sequence represents a specifically claimed peptide used to illustrate the method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI;
                                                              Betal-adrenoceptor secondary loop epitope peptide
                                                                                                                        13-AUG-2001
                                                                                                                                                                         AAB97294;
                                                                                                                                                                                                                        AAB97294 standard; peptide; 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 12
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21-SEP-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             peptide useful for combating the autoantibodies that are responsible dilatative cardiomyopathy.
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-1 adrenergic activated antibody; immunosuppressive
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26
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100.0%;
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AAW52022
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 55;
Pred. No.
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Aaw52022 Peptide
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l. The products
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RESULT 3
AAM47222
ID AAM4

AAM47222 standard; peptide; 6 AA.

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> 1 EYGSFF 6 Similarity 6; Conser

Conservative

50.7%; 5c. 100.0%; Pr

Score 34; Pred. No.

1.8e+06; hes 0; DB 4;

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Gaps

0

Length 6; Indels

Query Match Best Local S Matches 6

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ophthalmological; and nephrotropic activity. The toxin is particularly useful for treating a host suffering from an antigen specific antibody mediated disease condition, where the antigen specific antibody is produced by an antigen reactive B cell population present in a host. The toxin is useful for treating allergies, viral disease; autoimmune disorders. Also treated are skin disease; autoimmune endocrinopathies; vasculitic syndromes; cardiovascular disease; immunohaematologic disorders; gastrointestinal diseases; neurologic diseases; collagen vascular diseases; pulmonary disease and infertility disorders. The present sequence represents a betaladrenceptor epitope. An antibody response to this antigen is implicate in dilated cardiomyopathy, a disorder which may be treated using the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                response, e.g. in the treatment of antigen specific antibody mediated disease conditions. Use of the B cell clonal toxin can result in immunosuppressive; antinflammatory; antiallergic; virucide; antidiabetic; thyromimetic; antithyroid; vasotropic; cardiant; antiulcer; neuroprotective; antirheumatic; antiarthritic; dermatological;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention relates to a B cell clonal toxin. The toxin is made from two moieties, the first causes the toxin to be internalised by a B cell, and the second is a biologically acceptable toxin. The invention includes a method for inactivating/killing an antigen specific B cell. A target B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B cell clonal toxin useful for treating autoimmune disorders such Grave's disease, myocardial infarction, Crohn's disease, multiple sclerosis, comprises a group that causes toxin to be internalized
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             immunosuppressive; antiinflammatory; antiallergic; antidiabetic; thyromimetic; antithyroid; vasotropic; cardiant; antiulcer; thyromimetic; antirhermatic; antiarthritic; dermatological; nephrotropic; allergy; autoimmune disorder; skin diseases; autoimmune endocrinopathy; vasculitic syndrome; cardiovascular disease; immunohaematologic disorder; neurologic disease; gastrointestinal disease; collagen vascular disease; renal diseases; gastrointestinal disease; collagen vascular disease; renal diseases;
Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         method is useful for selective immunosuppression in conditions characterised by the presence of an unwanted or deleterious immune
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure; Page 26; 46pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cell is contacted with an effective amount of a B cell clonal toxin.
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                                                                                                invention
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                                                                                                                                                                                   is implicated
                                                                                                                                                                                                                                                                                        diseases;
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RESULT 4
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Matches 6
                                                                                                                cardiant; gynaecological; immunosuppressive;
vasotropic; disease-associated autoantibody;
                                                                                                                                                     Disease-associated autoantibody detection method peptide
                                                                                                                                                                              09-SEP-2004
                                                                                                                                                                                                                                                                                                                                                                                                                      The present invention relates to a method of immobilising an adsorbent with a compound capable of binding to an antibody against betal adrenoreceptor and/or an antibody against M2 muscarine receptor on a water-insoluble support. The adsorbents, apparatus and method are useful for treating dilated cardiomyopathy by removing antibodies against betal adrenoreceptor and/or M2 muscarine receptor. The present sequence is a peptide described in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Adsorbents for dilated cardiomyopathy, comprises an immobilized compound capable of selectively removing antibodies against approximately bl adrenoreceptor and/or M2 muscarine receptors in body fluid without
28-NOV-2003; 2003WO-DE003988.
                           17-JUN-2004
                                                                            Unidentified
                                                                                                                                                                                                      ADP49242;
                                                                                                                                                                                                                               ADP49242 standard; peptide; 6 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-041274/05
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                                                    WO2004051280-A2
                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6 AA;
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                                                                                                     protein-coupled receptor.
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                                                                                                                                                                              entry)
                                                                                                                                                                                                                                                                                                                                                         50.7%;
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                                                                                                                                                                                                                                                                                                                                              Score 34; DB; Pred. No. 1.8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Nishimoto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             related
                                                                                                                                                                                                                                                                                                                                              1.8e+06;
hes 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           peptide
                                                                                                                                                                                                                                                                                                                                                                       <u>ن</u>
                                                                                                                 hypotensive; antipsoriatic; antibody;
                                                                                                                                                                                                                                                                                                                                                                     Length 6;
                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              #2
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Best Local
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                                    14-FEB-1994;
13-MAY-1994;
29-JUL-1994;
23-NOV-1994;
23-NOV-1994;
30-JAN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-NOV-2002;
27-JAN-2003;
13-JUN-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  associated autoantibodies (AAb) directed against G protein-coupled receptors. This comprises treating a body fluid with a denaturing agent, treating the precipitate formed with a biotin-containing peptide having the (partial) sequence of a first and/or second loop of a G protein-coupled receptor, incubating the mixture with a carrier coated by strept) avidin, washing the carrier and incubating it with labeled antimunoglobulin G (IgG) antibody subclasses, and performing an enzymatic or colour reaction. The method is used to detect AAb associated with dilatative or Chegas cardiomyopathy, myocarditis, pre-eclampsia, humoral kidney rejection, malignant, essential, refractory or pulmonary hypertension, psoriasis and Raynaud's syndrome. The present invention is a peptide which can be used in the method of the invention.
                                                                                                                                                                                                                                                                                                    06-AUG-2003
30-AUG-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Detecting disease-associated autoantibodies against G protein-coupled receptors, useful for diagnosing e.g. cardiomyopathy, comprises an
                                                                                                                                 07-JUN-1995;
                                                                                                                                                          18-APR-2000
                                                                                                                                                                                                           Hepatitis GB
                                                                                                                                                                                                                                       detection;
                                                                                                                                                                                                                                                  Hepatitis GB virus; HGBV; diagnosis; therapeutic; immunogenic; infection;
                                                                                                                                                                                                                                                                                                                                            AAB09130;
                                                                                                                                                                                                                                                                                                                                                                    AAB09130 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 12; Page 49; 57pp; German
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  enzymatic or color reaction.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-450802/42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Wallukat
             (ABBO ) ABBOTT
                                                                                                                                                                                   US6051374-A
                                                                                                                                                                                                                                                                           Hepatitis GB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (DELB-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 EYGSFF 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DELBRUECK CENT MOLEKULARE MEDIZIN MAX
                                                                                                                                                                                                                                                                                                                                                                                                                                      EYGSFF
                                                                                                                                                                                                                                    characterisation; hepatitis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2002DE-01056897.
2003DE-01003120.
2003DE-01027066.
                                                                                                                                                                                                                                                                          virus protein sequence SEQ ID NO:252
                                                                                                                                                                                                             Virus
                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                  (revised)
                                      94US-00344185.
94US-00344190.
95US-00377557.
                                                                            94US-00196030.
94US-00242654.
94US-00283314.
             LAB
                                                                                                                                 95US-00488445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    50.7%; but
100.0%; Pr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 34;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                to a method for detecting disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.8e+06;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 6;
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RESULT 6
ADK09671
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Best Local S
Matches 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      virus (HGBV) nucleic acid (THN) in a test sample (T) suspected of containing HGBV. The method involves reacting (T) with a HGBV polynucleotide probe (I) containing 15 contiguous nucleotides, and which selectively hybridises to the HGBV genome or its full complement, and detecting the complex that contains THN, indicating the presence of target HGBV. The method is used for detecting target HGBV nucleic acid in the test sample suspected of containing HGBV and for characterisation of newly ascertained etiological agent of non-A, non-B, non-C, non-D and non-E hepatitis causing agents collectively termed as hepatitis GB virus. AAA55270 to AAA55489 and AAB08985 to AAB09480 represent nucleotide and protein sequences used in the exemplification of the present invention. (Updated on 06-AUG-2003 to correct OS field.)
                                                                                                              New polypeptide encoded by an alternative reading virus comprising an antigenic determinant, useful preventing an infection with the pathogenic virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describe a method for detecting target hepatitis virus (HGBV) nucleic acid (THN) in a test sample (T) suspected of
                                                                                                                                                                                                                                                                           Mattner F,
                                                                                                                                                                                                                                                                                                                                                                                 24-JUL-2002; 2002AT-00001124.
11-JUL-2003; 2003EP-00450171.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2004011650-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human papillomavirus peptide
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADK09671;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADK09671 standard; peptide; 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 8 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 9; Col 331-332; 369pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           suspected
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                This invention relates to a novel polypeptide encoded by
                                                                   Claim 18;
                                                                                                                                                                                                                                                                                                                              (INTE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-JUL-2003; 2003WO-EP008112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pathogenic virus; alternative reading
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     polynucleotide
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                                                                                                                                                                                                                          2004-169243/16
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ΥΥ IK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    papillomavirus
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                                                                                                                                                                                                                                                                                                                                INTERCELL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FSHLWTS 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FSELWIS
                                                              Page
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    c virus; alternative reading frame; antigenic vaccine; therapeutic agent; infection; HPV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          target hepatitis GB virus nucleic acid in a test sample of containing HGBV comprises reacting the test sample the HGBV otide probe and detecting the complex that contains target HGBV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Leary TP,
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                                                                                                                                                                                                                                                                           Schmidt W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                192;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12
                                                                                                                                                                                                                                                                                                                              ĀG
                                                           220pp;
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85.7%;
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JN, Desai SM,
                                                                                                                                                                                                                                                                             Habel
                                                                English
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                                                                                                                                                                                                                                                                           A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            B.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Erker JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.8e+06;
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                                                                                                                                            frame of a po
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
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                  an alternative
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                                                                                                                                                                    pathogenic
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Matches Query Match Best Local

Similarity 5; Conserv

Conservative

46.3%;

Score 31; DB 8; Lo Pred. No. 1.5e+02; 1; Mismatches 2;

Length 10;

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Gaps

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               reading frame of a pathogenic virus, where the polypeptide starts with a methionine amino acid residue, which comprises an antigenic determinant and more than 7 amino acid residues. The invention may be useful for the production of compounds with a virucide activity or the development of a vaccine. The polypeptide or its fragments may be useful as a therapeutic agent. It is also useful for the manufacture of a medicament for treating or preventing an infection with the pathogenic virus. The present sequence is that of a human papillomavirus (HPV) epitope peptide of the
                                          This invention relates to a novel polypeptide encoded by an alternative reading frame of a pathogenic virus, where the polypeptide starts with a methionine amino acid residue, which comprises an antigenic determinant and more than 7 amino acid residues. The invention may be useful for the production of compounds with a virucide activity or the development of a vaccine. The polypeptide or its fragments may be useful as a therapeutic agent. It is also useful for the manufacture of a medicament for treating or preventing an infection with the pathogenic virus. The present sequence is that of a human papillomavirus (HPV) epitope peptide of the
                                                                                                                                                                                                                            New polypeptide encoded by an alternative reading virus comprising an antigenic determinant, useful preventing an infection with the pathogenic virus.
                                                                                                                                                                                                                                                                                           WPI;
Sequence 10
                                                                                                                                                                                                                                                                                                                                                                                  24-JUL-2002; 2002AT-00001124.
11-JUL-2003; 2003EP-00450171.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 10
                                                                                                                                                                                                Claim 18; Page 187;
                                                                                                                                                                                                                                                                                                                        Mattner F,
                                                                                                                                                                                                                                                                                                                                                                                                                                24-JUL-2003; 2003WO-EP008112.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              05-FEB-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     virucide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human papillomavirus peptide #1243.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-MAY-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADK09188 standard; peptide; 10
                                 invention.
                                                                                                                                                                                                                                                                                                                                                      (INTE-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human papillomavirus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pathogenic virus; alternative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       invention.
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                                                                                                                                                                                                                                                                                                                                                       INTERCELL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vaccine;
   ĀĀ;
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                                                                                                                                                                                                                                                                                                                        Schmidt W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     therapeutic
                                                                                                                                                                                                 220pp; English.
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Pred. No.
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2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     frame; antigenic determinant;
infection; HPV.
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                                                                                                                                                                                                                                              frame of a pathogenic for treating or
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RRSULT 8
ADRA 6515
ADRA 65
RESULT 9
AAW72493
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                                                                                                                                                                                                                                                                                Query Match
Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                Staphylococcus aureus. The peptide fragments are useful in the prophylaxis or treatment of diseases or disorders involving the C5a-receptor (C5aR) and/or formylated peptide receptor (FPR) or neutrophils, monocytes and endothelial cells or involving acute or chronic inflammation reactions. The diseases or disorders include cardiovascular diseases, disease of the central nervous system, gastrointestinal diseases, skin diseases, genitourinary diseases, joint diseases, respiratory diseases and HIV infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               formylated peptide receptor; FPR; neutrophil; monocyte; endothelial cell inflammation; cardiovascular disease; central nervous system disease; gestrointestinal disease; skin disease; genitourinary disease; joint disease; respiratory disease; HIV infection; antiinflammatory; cardiant; cerebroprotective; neuroprotective; nootropic; dermatological;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Combination of peptides derived from chemotaxis inhibiting protein from Staphylococcus aureus (CHIPS) having CHIPS activity, useful in prophylaxis and treatment of inflammation, cardiovascular, skin and kidney diseases.
                                                                                                                                                                                                                                                                                                                                                                            Sequence 6 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to peptides (ABR44811-ABR47162 and ABR47164-ABR47385) derived from the Chemotaxis Inhibitory Protein (CHIPS) from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; Page 17; 89pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-256333/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Van
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23-JAN-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Staphylococcus aureus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gynecological; immunosuppressive; anti-HIV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CHIPS; Chemotaxis Inhibitory Protein; C5a-receptor; C5aR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Staphylococcus aureus CHIPS-related peptide #1705.
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                                                                                                                                                                                                                                               Similarity 5; Conserv
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                                                                                                                                                                                    FFSELW 10
                                                                                                                                                                                                                                                  Conservative
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                                                                                                                                                                                                                                                                            44.8%;
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Pred. No. 1.
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Best Local :
                                    Vitaxin; antibody; variable region; heavy chain; light chain; integrin; LM609; inhibitor; integrin-mediated signal transduction; treatment; diagnosis; angiogenesis; restenosis; inflammation; diabetic retinopathy; neovascular glaucoma; cancer; psoriasis; rheumatoid arthritis; murine; macular degeneration; osteoporosis; primer; V-H region; CDR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAW72456 to AAW72570 represent peptide fragments from the dengue virus type-2 glycoprotein NS1, which was used in an example from the present invention for an epitope mapping assay. The invention has developed peptide antigens consisting of fragments of the dangue virus NS1 protein. The peptide antigens can be used for the diagnosis of dangue virus infection by detection of antibodies to the virus, especially in an assay comprising attaching the antigen to a solid support, contacting a serum sample with the support, and detecting bound antibodies with a labelled anti-human antibody or used for preparing vaccines against dengue virus
                           complementarity
                                                                                                                               EW609
                                                                                                                                                            02-NOV-1998
                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1; Col 17; 21pp; English.
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dengue shock
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                                                                                                                                                                                         AAW76040;
                                                                                                                                                                                                                   AAW76040 standard; protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                          infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dengue virus peptide antigens - especially for diagnosis of dengue virus
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-AUG-1994;
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                                                                                                                               grafted antibody V-H region CDR3 protein fragment #16.
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                                                                                                                                                                                                                                                                                           GVFFTNIW
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                                                                                                                                                                                                                                                                                                                        GSFFSELW 10
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                                                                                                                                                                                                                                                                                                                                                    Conservative
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syndrome; DSS; Aedes aegypti; mosquito; antigen; vaccine;
; immunoreactive; infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first
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                            determining
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                           region.
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1.8e+06;
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RESULT 11
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DT 20-JU
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Best Local S
Matches 5
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        15-JAN-1998
                                                                                           WO9801467-A2
                                                                                                                                                                                                            Modified-site
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MDM2; oncogenic protein; p53; human; inhibition; interaction; cancer; tumour; diagnosis; binding; viral infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human oncogenic protein MDM2 binding Cys (Acrld) peptide derivative
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tes 5; Conserv
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DB; AAV49877.
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                                                                                                                                                                                                                                                  /note= "N-terminal acetyl; Sulphydryl side-chain linked
to 6-acryloyl-2-(dimethylamino) naphthalene"
                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                       /note= "C-terminal amide"
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RESULT 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This is a Cys (Acrld) peptide derivative capable of binding to a human commogenic protein MDM2. The MDM2 binding peptides can specifically cinhibit or block the binding of MDM2 to the human p53 protein, in vitro or induce growth arrest or apoptosis in tumour cells comprising a wild-type p53 and mon-elevated levels of MDM2. The peptides may be used to identify complexules that bind to MDM2 and to identify and design inhibitors of MDM2/p53 binding. They may also be used to purify binding partners cespecially MDM2, diagnose disease by measuring levels of MDM2 in blood of cancer and leukaemia patients and for treatment or prevention of disease involving p53/MDM2 interactions, especially tumours and viral infections. The peptides can be administered nasally, rectally, orally or by activate p53 function and accoumhlation in normal cells. The peptides can activate p53 function and accoumhlation in normal cells. The peptides can which mimic the MDM2 binding site in p53, have a significantly greater blocking activity compared with wild-type p53
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Compounds binding to MDM2 protein and inhibit its interaction with p53 -useful in, e.g. diagnosis and treatment of cancer and viral infections and identifying binding agents.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lane D, Boettger V, Garcia-Echeverria C,
                                             24-JUN-1999;
                                                                         23-JUN-2000; 2000WO-US017454
                                                                                                                                                                  Unidentified
                                                                                                                                                                                             LM609; grafted antibody; alphaVbeta_3 integrin; angiogenesis;
inflammatory; cancer; retina; restenosis; osteoporosis.
                                                                                                                                                                                                                                          Multiple mutant
                                                                                                                                                                                                                                                                        03-APR-2001
                                                                                                                                                                                                                                                                                                                                  AAB61398 standard; peptide; 10 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 10 AA;
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                 (MOLE-) APPLIED MOLECULAR EVOLUTION
                                                                                                                                     WO200078815-A1
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Pred. No. 2.2e+02;
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RESULT 13
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                                                                                                                                                                         New Vitaxin or LM609 grafted antibody exhibiting selective binding affinity to alphavbeta3, useful for treating an alphavbeta3-mediated disease e.g., angiogenesis or restenosis.
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                                                                                                                                                                                                                                                                                                       N-PSDB;
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DB; ACD30195.
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83.3%;
                                                                                                                       English.
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Pred. No. 2.2e+02;
1; Mismatches 0;
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The invention relates to a Vitaxin or LM609, grafted antibody, exhi-selective binding affinity to alpha_vbeta_3. The Vitaxin or LM609 antibody is useful for treating an alpha_vbeta_3-mediated_disease

exhibiting

grafted e.g.

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Best Local
                     comprising one or more complementarity determining regions (CDRs) having at least one amino acid substitution in one or more CDRs of the LM609 grafted heavy chain variable region of a polypeptide having 117 amino acids or a grafted light chain variable region polypeptide having 107 amino acids. Also disclosed are polynucleotide sequences encoding the novel antibody or its functional fragment, and a composition comprising the novel antibody or its functional fragment. The antibodies and their fragments are useful for treating alphavbeta3-mediated diseases, e.g. chronic articular rheumatism, psoriasis, disorders associated with happropriate or inopportune invasion of vessels such as diabetic retinopathy, neovascular glaucoma, and capillary proliferation in atherosclerotic plaques as well as cancer disorders. The present sequence
                                                                                                                                                                                                                                                                                                                 New high affinity LM609 grafted antibody exhibiting selective binding to alphav-beta3, useful for treating inflammatory disorders such as immune and non-immune inflammation, chronic articular rheumatism, psoriasis.
                                                                                                                                                                                                                                   The present invention relates to a high affinity exhibiting selective binding to alphavbeta3, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 angiogenesis or restenosis. The present sequence represents the acid sequence of a LM609 complementarity determining region
                                                                                                                                                                                                                                                                                 Claim 6; SEQ ID NO 100; 66pp; English.
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DB; ADG71873.
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immunosuppressive; ophthalmological; humanised.
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83.3%;
                                                                                                                                                                                                                                    relates to a high affinity LM609 grafted antibody binding to alphavbeta3, or its functional fragment
             region
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RESULT 15
ADJ58055
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Best Local Similarity
Matches 5; Conserv?
Search completed: August 3, 2005, 19:00:09 Job time: 162 secs
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Synthetic.
                                                                                                                                                                         The present invention provides a Vitaxin antibody and a LM609 grafted antibody exhibiting selective binding affinity to alpha-v-beta-3. The invention is useful for treating alpha-v-beta-3-mediated diseases such as angiogenesis and restenosis. The present sequence is murine LM609 antibody variable region CDR mutant peptide.
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                                                                                                                                                                                                                                                                          New Vitaxin antibody and a LM609 grafted antibody exhibiting selective binding affinity to alphavbeta3, useful for treating alphavbeta3-mediated diseases, e.g. angiogenesis or restenosis.
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30-JAN-1998; 98US-00016061.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vitaxin; antibody; LM609; angiogenesis; restenosis; therapy; variable region; mouse; mutant; mutein.
                                                                                                                                                    Sequence 10 AA;
                                                                                                                                                                                                                                                     Claim 62; SEQ ID NO 100; 69pp; English.
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1; Mismatches 0;
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US-08-424-550B-252
US-08-424-957-6
US-09-035-686-6
US-09-035-686-42
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US-09-08-277-660A-2
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ALIGNMENTS

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RESULT 2
US-08-488-446-252
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Sequence 252, Application US/08488446
Patent No. 6558898
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: TAMI J. PILOT-MATIAS
                                                                                                                                                                                                                              Query Match
Best Local Similarity
Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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ADDRESSEE: ABBOTT LABORATORIES
STREET: 100 ABBOTT PARK ROAD
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ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TITLE OF INVENTION: NON-A, NON-B.
TITLE OF INVENTION: REAGENTS AND
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: FILING DATE:
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)GY: linear
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GEORGE G. SCHLAUDER
SURESH D. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
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SHERI L. BUIJK
ISA K. MUSHAHWAR
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TAMI J. PILOT-MATIAS
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85.7%;
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Pred. No. 4.1e+05;
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TELEPAN: 708-938-2623
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
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Matches
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APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURSH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUERHOFF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAHMAR
TITLE OF INVENTION: NON-A, NON-B. NON-C, NOI
TITLE OF INVENTION: REAGENTS AND METHODS FOI
NUMBER OF SEQUENCES: 716
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FILING DATE:
CLASSIFICATION
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550
FILING DATE:
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
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ADDRESSEE: ABBOTT FARK ROAD
CITY: ABBOTT PARK
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REFERENCE/DOCKET NUMBER: 5527.PC.01
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NUMBER OF SEQUENCES: 71
CORRESPONDENCE ADDRESS:
                                                                                                              TITLE OF INVENTION: NON-A,
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                                                                                                                                  GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
JAMES C. ERKER
SHERI L. BUIJK
SHER
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TAMI J. PILOT-MATIAS
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                                                                          NON-A, NON-B. NON-C, REAGENTS AND METHODS
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Pred. No.
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FOR THEIR USE
                                                                          NON-D, NON-E HEPATITIS FOR THEIR USE
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US-08-424-550B-252
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Best Local Similarity 85.7%;
Matches 6; Conservative
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                                                                                                                                                                                                           APPLICANT: JAMES C. BANGER APPLICANT: SHERI L. BUIJK
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B. NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
TITLE OF SECULENCES: 716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     INFORMATION FOR SEQ ID NO: 252: SEQUENCE CHARACTERISTICS:
ZIP: 60064-3500

COMPUTER READABLE FORM:
COMPUTER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES
STREET: 100 ABBOTT PARK ROAD
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                                                                                                                             COUNTRY:
                                                                                                                                                                          CITY: ABBOTT PARK
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,344A
FILING DATE: 07-Unn-1995
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 252:
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NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
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STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COUNTRY: USA
ZIP: 60064-3500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
                                                                                                                                      USA
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                                                                                                                                                                                                                                                                                                                                                                                            THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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Best Local Similarity 85..
Thes 6; Conservative
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                                                 TELEFAX: (415) 398-324
TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                   PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/
PILING DATE: 20-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Picksley, Steven M.
APPLICANT: Lane, David P.
TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
TITLE OF INVENTION: Protein and Therapeutic Application Thereof
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
                                                                                                                          REFERENCE/DOCKET NUMBER: A-61228/WHD TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                         SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/424,957
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELECOMMUNICATION INFORMATION: 708-937-6365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADD...
STREET: ...
STREET: ...
Cal
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                                                                                                    ELECTRIC (415) 7
STRANDEDNESS
                                                                                                                                                                                                                                                                                                     FILING DATE: 1: CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: United States ZIP: 94111-4187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/08/424,550B FILING DATE:
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                                 ENGTH:
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               amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 California
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                                   6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Francisco
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                                                                                                                                                                                                                                                                                                                         19-APR-1995
                                                                                                            398-3249
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                                                                                                                                                                                       24,190
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Pred. No. 4.1e+05;
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US-09-339-922A-100
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GENERAL INFORMATION:
APPLICANT: Huse, William D.
APPLICANT: Wu, Herren
APPLICANT: Wu, Herren
TITLE OF INVENTION: Anti-AlphaV Beta3 Recombinant Human Antibodies, Nucleic
                                                                         Sequence 100, Application US/09339922A Patent No. 6531580
                                                                                                                                                                                                                                                     Matches
                                                                                                                                                                                                                                                                    Query Match
Best Local
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APPLICANT: Picksl
APPLICANT: Lane,
                                                                                                                                                                                                                                                                                                                                                                                                                          TELEX: 910 277299
INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-61228/WHD
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781-1989
TELEFAX: (415) 398-3249
                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
LENGTH: 6 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 08/424,957
FILING DATE: 19-ARR-1995
APPLICATION NUMBER: US 08/277,660
FILING DATE: 20-JUL-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
ODERATING SYSTEM: PC-DOS/MS-DOS
ODERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohbach, Test,
STREET: Four Embarcadero Center,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CLASSIFICATION:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
TITLE OF INVENTION: Protein and Therapeutic Application Thereof
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES:
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TOPOLOGY: ur
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: United States
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                                                                                                                                                                                                                                                                                                                                          unknown
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100.0%;
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;; Pred. No. 4.1e+05;
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Suite 3400
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vo. 4.le+05;
0; Indels
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                                                                                               ; TOPOLOGY: linear; MOLECULE TYPE: protein US-09-016-061-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-09-016-061-100
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                                               Query Match
Best Local S
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LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Patent No. 6596850 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 100,
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                                                                                                                                                                                                                                                                            FILING DATE: 30-JAN-1998
CIASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/791,391
FILING DATE: 30-JAN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Acids Encoding Same and Methods of Use FILE REFERENCE: P-IX 3536 CURRENT APPLICATION NUMBER: US/09/339,922A CURRENT FILING DATE: 1999-06-24 NUMBER OF SEQ ID NOS: 112 SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Mut
OTHER INFORMATION: complementarity determining region (CDR)
                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Huse, William D.
APPLICANT: Glaser, Scott M.
TITLE OF INVENTION: Anti-Al
TITLE OF INVENTION: Antibod
                                                                                                                                                                               SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER: P-IX 2965 TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                              TELEPHONE:
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 2 YGSFFS 7
                              Similarity 5; Conserv
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: California
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                                                                                                                                           1: 10 amino acids amino acid
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4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Application US/09016061
                                Conservative
                                                                                                                                                                                                             (619) 535-9001
(619) 535-8949
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                                               44.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Antibodies,
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                                                                                                                                                                                                                                                                                                                                                                                                               US/09/016,061
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                              Score 30; DB Pred. No. 66; 1; Mismatches
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Pred. No. 66;
1; Mismatches
                                1;
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66;
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                                                              Length 10;
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                                  Indels
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                              Gaps
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US-08-424-957-42
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                                                                                                                                                                                                                                                                                      RESULT 10
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                                                                    Sequence 42, Application US/09035686

Patent No. 6153391

GENERAL INFORMATION:
APPLICANT: Picksley, Steven M.
APPLICANT: Lane, David P.
TITLE OF INVENTION: Interruption of Binding of MDM2 and P53
TITLE OF INVENTION: Protein and Therapeutic Application Thereof
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSER.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Patent No. 5770377
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Pickeley, Steven M.
APPLICANT: Lane, David P.
TITLE OF INVENTION: Interruption of Binding of MDM2 and
TITLE OF INVENTION: Protein and Therapeutic Application
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
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INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08,

FILING DATE: 20-JUL-1994

ATTORNEY/AGENT INFORMATION:

NAME: Dreger, Walter H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DDS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,957
FILING DATE: 19-APR-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 11 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Dreger, Walter H.
REGISTRATION NUMBER: 24,190
REFERENCE/DOCKET NUMBER: A-6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 781.1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 100 nes 5; Conservative
                                        STREET:
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TELEX: 910 277299
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CITY: San Francisco
                                                           ADDRESSEE:
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ISEE: Flehr, Hohbach, Test, Albritton & Herbert: Four Embarcadero Center, Suite 3400
San Francisco
California
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Four Embarcadero Center, Suite 3400
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Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Patent No. 6800483
GENERAL INFORMATION:
                                                               Matches
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                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 10, Application US/09595682B
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                                                                                 Best Local Similarity
                                                                                                                                                                                                             APPLICANT: Danks, Mary K.
APPLICANT: Potter, Philip M.
APPLICANT: Houghton, Petter J.
TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth
TITLE OF INVENTION: Tumor Cells
FILE REFERENCE: $2,0005
CURRENT APPLICATION NUMBER: US/09/595,682B
CURRENT FILING DATE: 2000-01-16
PRIOR APPLICATION NUMBER: 60/075,258
PRIOR APPLICATION NUMBER: 60/075,258
PRIOR APPLICATION NUMBER: PCT/US99/03171
PRIOR PILING DATE: 1998-02-12
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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                                                                                                                                                                 LENGTH: 7
TYPE: PRT
                                                                                                                                               ORGANISM: Oryctolagus cuniculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: A-TELECOMMUNICATION INFORMATION: TELEPHONE: (415) 781-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/035,686
FILING DATE:
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APPLICATION NUMBER:
FILING DATE: 19-APR-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                              Conservative
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                                                                              43.3%; Score 29; DB 4; 57.1%; Pred. No. 4.1e+05;
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100.0%; Pred. No. 72
Live 0; Mismatches
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                                                              3; Mismatches
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RESULT 14
US-09-669-271A-6
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
US-09-620-091-28
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APPLICANT: Whelihan, E. Fayelle
TITLE OF INVENTION: Binding Moieties for Human Parvovirus B19
FILE REFERENCE: DYAX-009.0 US sequence listing
CURRENT APPLICATION NUMBER: US/09/186,958B
CURRENT FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 6
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CURRENT APPLICATION NUMBER: US/09/620,091
CURRENT FILING DATE: 2000-07-20
NUMBER OF SEQ ID NOS: 491
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 28
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APPLICANT: CWIRLA, STEVEN E.
APPLICANT: BALU, PALANI
APPLICANT: BLU, PALANI
APPLICANT: DUFFIN, DAVID J.
APPLICANT: PIPLANI, SUNILA
APPLICANT: MERRILL, BARBARA MCBOWEN
APPLICANT: SCHATZ, PETER JOSEPH
TITLE OF INVENTION: COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY
TITLE OF INVENTION: STIMULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED
TITLE OF INVENTION: USES
Sequence 6, Application US/09669271A Patent No. 6291197
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Patent No. 6716811
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Best Local (
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Local Similarity 62.5%;
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Pred. No. 1.6e+02;
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Pred. No. 97;
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GENERAL INFORMATION:
APPLICANT: Whelihan, E. Fayelle
ITITLE OF INVENTION: Binding Moieties for Human Pa
FILE REFERENCE: DYX-009.0 US-2
CURRENT APPLICATION NUMBER: US/09/881,276
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: 09/669,271
PRIOR FILING DATE: 2000-09-26
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Microsoft Word 97
                                                                                                                                                                                                              ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: parvovirus B19 binding polyper
US-09-881-276-6
Search completed: August
Job time : 43 secs
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APPLICANT: Whelhan, E. Fayelle
APPLICANT: Whelhan, E. Fayelle
TITLE OF INVENTION: Binding Modeties for Human Parvovirus B19
FILE REFERENCE: Dyax-009.0 US sequence listing
CURRENT ENLING DATE: 200-09-26
CURRENT FILING DATE: 200-09-26
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR FILING DATE: 1998-11-05
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LENGTH: 11
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                   TYPE: PRT ORGANISM: Artificial Sequence
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Pred. No. 1.6e
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Pred. No.
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1.6e+02;
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Match
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67
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(cgn2 6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
(cgn2 6/ptodata/2/pubpaa/US08_PUBCOMB.pep:*
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(cgn2 6/ptodata/2/pubpaa/US09E_PUBCOMB.pep:*
(cgn2 6/ptodata/2/pubpaa/US10A_PUBCOMB.pep:*
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(cgn2 6/ptodata/2/pubpaa/US11A_PUBCOMB.pep:*
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                                                                                                                             Length
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        GenCore version 5.1.6 (c) 1993 - 2005 Compugen
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     S US-10-221-042-2

US-08-424-550B-252

US-09-214-371-35

US-09-214-371-36

US-09-900-590-100

US-10-305-231-100

US-10-463-847-100

US-10-927-262A-35

US-10-927-262A-35

US-10-927-262A-35

US-10-858-271-10

US-10-659-207-28
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Sequence 252, Appli
Sequence 252, Appl
Sequence 35, Appl
Sequence 36, Appl
Sequence 100, App
Sequence 100, App
Sequence 100, App
Sequence 35, Appl
Sequence 36, Appl
Sequence 10, Appl
Sequence 28, Appl
Sequence 28, Appl
                                                                                                                            Description
       US-09-486-734A-35
US-09-881-276-6
US-10-417-895A-56
US-10-417-895A-56
US-10-417-895A-56
US-10-417-895A-56
US-10-615-05-1
US-10-609-217-13
US-10-653-049-13
US-10-653-049-13
US-10-653-049-13
US-10-645-761-13
US-10-927-262A-83
US-10-927-262A-37
US-09-214-371-37
US-09-214-371-37
US-09-214-371-37
US-09-214-371-37
US-09-214-371-37
US-09-214-371-13
US-10-623-38-13
US-10-623-38-13
US-10-645-761-13
US-10-653-048-13
US-10-327-262A-25
US-10-327-262A-26
US-10-327-262A-25
US-10-327-262A-25
US-10-327-262A-25
US-10-327
   Sequence 35, Appl Sequence 6, Appli Sequence 7, Appli Sequence 130, App Sequence 37, Appli Sequence 131, Appli Sequence 132, Appli Sequence 134, Appli Sequence 136, Appli Sequence 137, Appli Sequence 137, Appli Sequence 138, Appli Sequence 138, Appli Sequence 139, Appli Sequence 39, Appli Sequence 39, Appli Sequence 39, Appli Sequence 39, Appli Sequence 31, Appli Sequence 31,
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APPLICANT: KANEKA CORPORATION

TITLE OF INVENTION: ADSORBENTS FOR DILATED CARDIOMYOPATHY

FILE REFERENCE: 12218/5

CURRENT APPLICATION NUMBER: US/10/221,042

CURRENT FILING DATE: 2002-10-09

PRIOR APPLICATION NUMBER: PCT/JP01/03026

PRIOR FILING DATE: 2001-04-09

PRIOR FILING DATE: 2001-04-09

PRIOR APPLICATION NUMBER: JP 2000-106915

PRIOR APPLICATION NUMBER: JP 2000-106915

PRIOR FILING DATE: 2000-04-07

NUMBER OF SEQ ID NOS: 13

SOFTMARE: Patentin version 3.1

SEQ ID NO 2

LENGTH: 6
                                                                                   US-08-424-550B-252
Sequence 252, Application US/08424550B; Publication No. US20020119447A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 1
US-10-221-042-2
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                                                                                                                           RESULT 2
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Best Local S
Matches 6
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: MISC_PEATURE OTHER INFORMATION: Peptide having a binding affinity for an antibody against OTHER INFORMATION: betal-adrenoceptor and/or an antibody against M2 muscarin: OTHER INFORMATION: tor
                                                                                                                                                                                                                                                                                FEATURE:
OTHER INFORMATION: peptide
FEATURE:
                                   APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
         APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
                                                                                                                                                                                          l Similarity
6; Conserv
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       JOHN N. SIMONS
TAMI J. PILLOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
JAMES C. ERKER
                                                                                                                                                                                           50.7%;
ilarity 100.0%;
Conservative (
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US-10-387-955-39

US-10-387-955-39

US-10-488-219-36

US-10-488-219-36

US-10-488-219-38

US-10-488-219-39

US-10-488-219-39

US-09-900-590-98

US-09-900-590-98

US-09-900-590-98

US-09-900-590-98

US-10-305-231-98

US-10-463-847-98

US-10-463-847-98

US-10-463-847-98
                                                                                                                                                                                          Score 34; DB 16;
; Pred. No. 1.6e+06;
0; Mismatches 0;
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                                                                                                                                                                                                             Length 6;
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Sequence
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US-09-214-371-35
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                                                                SEQ ID NO 35
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APPLICANT:
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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Best Local (
                                                                           SOFTWARE:
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; TYPE: amino a
; TOPOLOGY: lin
; MOLECULE TYPE:
US-08-424-550B-252
                                                                                                                                                              APPLICANT: Garcia-Echeverria, Carlos
APPLICANT: Furet, Pascal
TITLE OF INVENTION: Inhibitors of the Intera
FILE REFERENCE: 4-20937/A/PCT
CURRENT APPLICATION NUMBER: US/09/214,371B
CURRENT FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: PCT/EP97/03549
PRIOR FILING DATE: 1997-07-04
NUMBER OF SEQ ID NOS: 83
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 35, Application US/09214371B Patent No. US20010018511A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CLASSIFICATION: 435435
ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:peptide
NAME/KEY: VARIANT
LOCATION: (1)
                                                             LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: ISA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B. NON-C,
TITLE OF INVENTION: REAGENTS AND METHODS
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION DATA: APPLICATION NUMBER: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: 708-2623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 100 ABBOTT PARK ROAD CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   6 FSELWTS 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Similarity 6; Conserv
                                                                                                                                                 PatentIn Ver. 2.0
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Bottger, Angelica
Picksley, Stephen
                                                                                                                                                                                                                                                                                                                                    Chene, Patrick
Hochkeppel, Heinz-Kurt
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                                                                                                                                                                                                                                                                                    Inhibitors of the Interaction of P53 and MDM2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             50.7%;
85.7%;
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Pred. No. 1.6e+06;
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STATE: California

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CURRENT APPLICATION NUMBER: US/09/214,371B
CURRENT FILING DATE: 1999-03-26
PRIOR APPLICATION NUMBER: PCT/EP97/03549
PRIOR FILING DATE: 1997-07-04
NUMBER OF SEQ ID NOS: 83
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 36
LENGTO
                                                                                                                                             US-09-900-590-100
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US-09-214-371-36
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                                                                                                        Sequence 100, Application US/09900590 Publication No. US20030028009A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Lane, D
APPLICANT: Bottger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 36, Application US/09214371B Patent No. US20010018511A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: X = Pro-NH2
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nes 5; Conservative
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
CAMPBELL & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
                                              APPLICANT: Huse, William D.
Glaser, Scott M.
TITLE OF INVENTION: Anti-Alpha V Beta 3 Recombinant Human
Antibodies, Nucleic Acids Encoding Same and Methods of Use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 GSFFSELW 10
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Bottger, Angelica
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Picksley, Stephen
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Pred. No. 2.8e+02;
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Query Match
Best Local Similarity
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                                                                                                            ; OTHER INFORMATION: ; OTHER INFORMATION: US-10-305-231-100
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                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/305,231
CURRENT FILING DATE: 2002-11-25
PRIOR APPLICATION NUMBER: APPLICATION NUMBER: US/09/339,922
PRIOR FILING DATE: CURRENT FILING DATE: 1999-06-24
NUMBER OF SEQ ID NOS: 112
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 100, Applic Publication No. US20 GENERAL INFORMATION
                                         Matches
                                                         Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Anti-AlphaV Beta3 Recombinant Human TITLE OF INVENTION: Acids Encoding Same and Methods of FILE REFERENCE: P-IX 3536
                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Huse, William D. APPLICANT: Wu, Herren
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 100: SEQUENCE CHARACTERISTICS: LENGTH: 10 amino acids
                                                                                                                                                                                  TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                     FEATURE:
                                                                                                                                                                                                                         LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/016,061
FILING DATE: <Unknown>
ATTORNEY AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTMARE: PATENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/900,590
FILING DATE: 06-Jul-2001
CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 100:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: P-IX 2965
TELEPHONE: (619) 535-9001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
     2 YGSFFS 7
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                                       <u>ن</u>
                                                         Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: United States
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (619)
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o. US20030166872A1
                                       Conservative
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                                                                                                                             Description of Artificial Sequence: complementarity determining region
                                                         44.8%;
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                                       <u>ب</u>
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                                                       Score 30; DB 14;
Pred. No. 2.8e+02;
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Pred. No. 2.8e+02;
                                                                          Length 10
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                                       Indels
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                                       Gaps
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5 YGSFYS 10

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Query Match
Best Local Similarity
Matches 5; Conserve
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; SEQUENCE DESCRIPTION: SEQ ID NO: 100:
US-10-463-847-100
                                                                                                                                                                                                                                                                                                               US-10-927-262A-35
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                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                      Sequence 35, Application US/10927262A Publication No. US20050137137A1
TITLE OF INVENTION: INHIBITORS OF THE INTERACTION BETWEEN P53 AND MDM2 FILE REFERENCE: 39749.0002 APC CON CURRENT APPLICATION NUMBER: US/10/927,262A
                                                                                                                                                                                                   APPLICANT: LANE, APPLICANT: BOTTO
                                                                       APPLICANT:
                                                                                                                                       APPLICANT:
                                                                                                                                                          APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-IX 2965
REFERENCE/DOCKET NUMBER: P-IX 2965
REFERENCE/DOCKET NUMBER: P-IX 2965
REFERENCE/DOCKET NUMBER: P-IX 2965
REFERENCE/LOCKET NUMBER: 35-9901
TELEFAX: (619) 535-9901
INFORMATION FOR SEQ ID NO: 100:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/09/016,061
FILING DATE: 30-JAN-1998
APPLICATION NUMBER: US 08/791,391
FILING DATE: 30-JAN-1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/463,847
FILING DATE: 16-Jun-2003
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Huse, William D.
Glaser, Scott M.
TITLE OF INVENTION: Anti-Alpha V Beta 3 Recombinant Human
Antibodies, Nucleic Acids Encoding Same and Methods of Use
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                         YGSFYS 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: San Diego
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COUNTRY: United States
                                                                                                              HOCHKEPPEL, HEINZ-KURT
GARCIA-ECHEVERRIA, CARLOS
                                                                                                                                                       BOTTGER, VOLKER
BOTTGER, ANGELIKA
PICKSLEY, STEVEN M.
                                                                  CHENE, PATRICK
FURET, PASCAL
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Application US/10463847
o. US20040006213A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Conservative
                                                                                                                                                                                                                               DAVID P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4370 La Jolla Village Drive, Suite 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 44.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 30; DB 15;
Pred. No. 2.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 10;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0,
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APPLICANT: CHENE, PATRICK

APPLICANT: CHENE, PASCAL

TITLE OF INVENTION: INHIBITORS OF THE INTERACTION BETWEEN P53 AND MDM2

FILE REFERENCE: 39749.0002 APC CON

CURRENT APPLICATION NUMBER: U8/10/927,262A

CURRENT FILING DATE: 2004-08-25

PRIOR APPLICATION NUMBER: 09/214,371

PRIOR FILING DATE: 1999-03-26

PRIOR FILING DATE: 1999-03-26

PRIOR APPLICATION NUMBER: PCT/EP97/03549

PRIOR FILING DATE: 1997-07-04

PRIOR FILING DATE: 1997-07-05

PRIOR FILING DATE: 1996-07-05

PRIOR FILING DATE: 1996-07-05

PRIOR FILING DATE: 1997-04-07

NUMBER OF SEQ ID NOS: 98

SOFTWARE: Patentin Ver. 3.2

SEQ ID NO 36
                                                                                      ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: Peptide US-10-927-262A-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           밁
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PRIOR FILING DATE: 1999-03-26
PRIOR PPLICATION NUMBER: PCT/EP97/03549
PRIOR PPLICATION NUMBER: PCT/EP97/03549
PRIOR APPLICATION NUMBER: GB 9614197.3
PRIOR FILING DATE: 1996-07-05
PRIOR APPLICATION NUMBER: GB 9707041.1
PRIOR FILING DATE: 1997-04-07
NUMBER OF SEQ ID NOS: 85
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Ver. 3.2
SEQ ID NO 35
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
Best Local Similarity 62. Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 36, Application US/10927262A Publication No. US20050137137A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 44.8%;
Best Local Similarity 62.5%;
Matches 5; Conservative
                                             Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT:
                                                                                                                                                                 TYPE: PRT ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: (1)
OTHER INFORMATION: Cys(Acrd)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: Peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME/KEY: MOD_RES
                                                                                                                                                                                                                                    LENGTH: 10
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PICKSLEY, STEVEN M.
HOCHKEPPEL, HEINZ-KURT
GARCIA-ECHEVERRIA, CARLOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DAVID P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2004-08-25
                        44.8%; Score 30; DB 18; 62.5%; Pred. No. 2.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 30; 1
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8e+02;
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                                             Length 10
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Mismatches

Indels

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Gaps

GSFFSELW 10

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US-10-659-207-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 28, Application US/10659207 Publication No. US20050037959A1 GENERAL INFORMATION:
Query Match
Best Local Similarity
                                                                                                                                                                                                                     SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 28
LENGTH: 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 10
LENGTH: 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 10, Application US/10858271 Publication No. US20040259829A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                APPLICANT: PIPLANI, SUNILA
APPLICANT: MERRILL, BARBARA MCEOWEN
APPLICANT: SCHATZ, PETER JOSEPH
TITLE OF INVENTION: COMPOUNDS HAVING AFFINITY FOR THE GRANULOCYTE-COLONY
TITLE OF INVENTION: USTINULATING FACTOR RECEPTOR (G-CSFR) AND ASSOCIATED
TITLE OF INVENTION: USS
FILE REFERENCE: 0300-0014
CURRENT APPLICATION NUMBER: US/10/659,207
CURRENT FILING DATE: 2000-07-20
PRIOR APPLICATION NUMBER: US/99/620,091
PRIOR FILING DATE: 2000-07-20
NUMBER OF SEC IN NOC. 4.07-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Danks, Mary K.
APPLICANT: Potter, Philip M.
APPLICANT: Houghton, Peter J.
APPLICANT: Houghton, Peter J.
TITLE OF INVENTION: Compositions and Methods for Sensitizing and Inhibiting Growth of TITLE OF INVENTION: Tumor Cells
FILE REFERENCE: SJ-0005
CURRENT APPLICATION NUMBER: US/10/858,271
CURRENT PILING DATE: 2004-06-01
PRIOR APPLICATION NUMBER: US/09/595,682
PRIOR FILING DATE: 2000-06-16
PRIOR APPLICATION NUMBER: 60/075,258
PRIOR FILING DATE: 1998-02-19
PRIOR APPLICATION NUMBER: PCT/US99/03171
PRIOR FILING DATE: 1998-02-12
PRIOR FILING DATE: 1999-02-12
                                                                        TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: peptide
10-659-207-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: CWIRLA, STEVEN E.
APPLICANT: BALU, PALANI
APPLICANT: DUFFIN, DAVID J.
                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 30
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Score 29;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 29;
Pred. No.
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  DB 17;
4.1e+02;
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Matches

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Mismatches

Indels

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US-09-881-276-6
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Best Local Similarity
Thes 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Heds subunit US-09-486-734A-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 12
US-09-486-734A-35
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                                                                                          ; OTHER INFORMATION: Description of Artificial Sequence: parvovirus B19 binding polypep
US-09-881-276-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               맑
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Patent No. US20020031761A1
GENERAL INFORMATION:
                                                                                                                                                                                          SEQ ID NO 6
LENGTH: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 35
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                                                Query Match
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                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/881,276
CURRENT FILING DATE: 2001-06-14
PRIOR APPLICATION NUMBER: 09/669,271
PRIOR FILING DATE: 2000-09-26
PRIOR APPLICATION NUMBER: 09/186,958
PRIOR FILING DATE: 1998-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/486,734A
CURRENT FILING DATE: 2000-05-03
PRIOR APPLICATION NUMBER: PCT/FR98/01873
PRIOR FILING DATE: 1998-09-01
PRIOR APPLICATION NUMBER: FR 97/10885
PRIOR APPLICATION NUMBER: FR 97/10885
PRIOR FILING DATE: 1997-09-02
NUMBER OF SEQ ID NOS: 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Chopin, Marie-Christine
APPLICANT: Clier, Florence
APPLICANT: Erlich, S. Dusko
APPLICANT: Gautier, Michel
APPLICANT: Schouler, Catherine
APPLICANT: Institut National de la Recherche Agronomique
TITLE OF INVENTION: Resistance Mechanisms to Ic Type R/M
TITLE OF INVENTION: Bacteriophages of Lactic Acid Bacteria
FILE REFERENCE: 33339/196048
                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 27
                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Whelihan, B. Fayelle TITLE OF INVENTION: Binding Moieties for Human FILE REFERENCE: DYX-009.0 US-2
                                                                                                                                                                                                                                  SOFTWARE: Microsoft Word 97
                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
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Local Similarity 62.5%; les 5; Conservation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3 GSFFSEL 9
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                             Score 28; DB 9;
Pred. No. 6.7e+02;
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Pred. No. 1.6e+06;
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                                                  Length 11;
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FFSELWIS

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APPLICANT: Bottger, Volker
APPLICANT: Bottger, Angelica
APPLICANT: Bottger, Angelica
APPLICANT: Picksley, Stephen
APPLICANT: Chene, Patrick
APPLICANT: Chene, Patrick
APPLICANT: Garcia-Echeverria, Carlos
APPLICANT: Garcia-Echeverria, Carlos
APPLICANT: Furet, Pascal
TITLE OF INVENTION: Inhibitors of the Interaction of P53 and MDM2
FILE REFERENCE: 4-20937/A/PCT
CURRENT APPLICATION NUMBER: US/09/214,371B
CURRENT FILING DATE: 199-03-26
PRIOR APPLICATION NUMBER: PCT/EP97/03549
PRIOR FILING DATE: 1997-07-04
NUMBER OF SEQ ID NOS: 83
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 83
LENGTH: 6
TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CHER INFORMATION: determining region of Fv region of an US-10-417-895A-56
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                                                                         ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:peptide, amin
; OTHER INFORMATION: acid residues 18-23 of human p53
US-09-214-371-83
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US-09-214-371-83
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 56, Application US/10417895A Publication No. US20040033569A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 86
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 56
LENGTH: 11
Best Local Similarity
Matches 4; Conserv
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                                         Query Match
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APPLICANT: Cappuccilli, Guido
APPLICANT: Cappuccilli, Guido
TITLE OF INVENTION: "DOPINO" IN WALK-THROUGH MUTAGENESIS
FILE REFERENCE: 1551.2002-001
CURRENT APPLICATION NUMBER: US/10/417,895A
CURRENT FILING DATE: 2003-04-16
PRIOR APPLICATION NUMBER: 60/373,686
PRIOR APPLICATION NUMBER: 60/373,686
PRIOR FILING DATE: 2002-04-17
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Local Similarity 44.4%;
hes 4; Conservative
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  Conservative
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                   40.3%;
80.0%;
Score 27; DB 9; Length 6; Pred. No. 1.6e+06; 1; Mismatches 0; Indels
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Pred. No. 6.7e+02;
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2 FSDLW 6
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Search completed: August Job time : 152 secs ω 2005, 19:03:29